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**World catalog of Mythicomyiidae (Insecta: Diptera)**  
**Revised edition**

Neal L. Evenhuis



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COVER PHOTO: Male of *Acridophagus paganicus* (White), Hobart, Tasmania. Photo: Nathan Butterworth.

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## INTRODUCTION

The Mythicomyiidae (microbombyliids) have had a confused taxonomic history. Some taxa have been placed at one time or another in the family Acroceridae (species of *Glabellula*), Empididae (e.g., species of *Cephalodromia* and *Mythicomymia collina*), Stratiomyidae (species of *Glabellula*), or Rhagionidae (e.g., species of *Mythicomymia*), and true empidids have been wrongly placed in some mythicomyiid genera (e.g., *Chelipoda pictipennis* Bezzi has been placed in *Cephalodromia* (Smith 1975). Until the 1990s, members of this family have been treated mostly within a broadened concept of Bombyliidae, without corroboration of phylogenetic analysis. Rohdendorf (1961, 1964) was one of the first workers to recognize the uniqueness of this group of flies (treating them under “Cyrtosiinae”) and proposed that they be separated into the Cyrtosiidae, but added that research needed to be done to support his contention.

Mühlenberg (1971a) conducted a phylogenetic analysis of the Bombyliidae as a whole, but reached no conclusion that supported placing the “Cyrtosiinae” outside of the current concepts of the family Bombyliidae. Unfortunately, Mühlenberg’s analysis was limited (using primarily morphological characters of the male and female postabdomen, with emphasis on the female reproductive system). Mühlenberg’s work did have merit in illustrating the usefulness of female characters, which had otherwise gone relatively unnoticed. In the following years, Rohdendorf (1976, 1977, 1980) continued to contend his proposal of splitting his “Cyrtosiidae” from the Bombyliidae, but without detailing the evidence for that proposal.

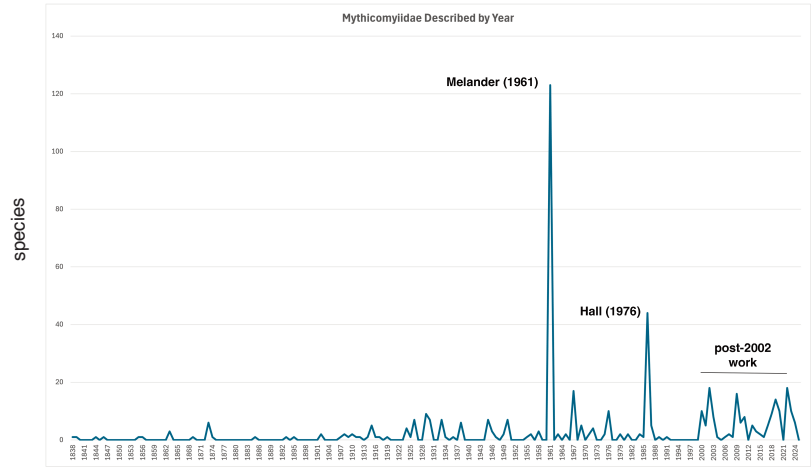
In 1983, I started work on the higher classification of the Bombyliidae on a subfamily-by-subfamily basis to find and verify monophyletic groups and determine generic concepts and interrelationships within the family as it is currently defined. Evenhuis’s (1990) higher classification of the Usiinae and Phthiriinae contained the first published results of these ongoing investigations. The Mythicomyiinae was the next subfamily to be investigated. The results of analyses by me and others over the years show that the Mythicomyiidae are, indeed, a separate family residing in a sister-clade to the Bombyliidae along with Hilarimorphidae and the anomalous bombyliid *Heterotropus* [proposed by Yeates & Irwin (1992) and Krivosheina (2012) to be raised to family-level (= Heterotropodidae), which is followed here]. Molecular analyses in the past 15 years have continued to place Mythicomyiidae in that virtually same basal clade to the remainder of the Bombyliidae (e.g. Trautwein 2009, Trautwein *et al.* 2010, 2011; Li *et al.* 2020); but those authors (and senior authors) preferred to retain the group as a subfamily within Bombyliidae, except for Lamas & Nihei (2007) who retained Mythicomyiidae as a distinct family. Treating Heterotropodinae at the family-level here removes the existing paraphyly of the Bombyliidae and allows justification of the family level treatment of the Mythicomyiidae. This paper follows the subfamilial groupings of the family proposed in Greathead & Evenhuis (2001b), although current research by Luanna Mendes may change some relationships within the family.

The family is geologically an old one, with an impression fossil of the wing of *Palaeoplatypygus* dating back to the Jurassic (Kovalev *in* Kalugina & Kovalev 1985). A number of amber and impression specimens are known from the Cretaceous, which is most likely its point of diversification, where the vast majority of fossils in the family are from the phylogenetically basal subfamily Psiloderoidinae. The family is also found in a variety of amber sites in Europe in the Eocene (e.g., Baltic, France, Rovno ambers) and Miocene (Dominican ambers). A recent finding of the extant Canary Islands genus *Reissa* in an Eocene impression fossil in North America (Evenhuis 2019c) lends support to the hypothesis that the family was once more widely distributed and has evolved over time to have some genera represented now by disjunct populations [cf., *Mythenteles* (Evenhuis 2003) and *Mythicomymia* and *Pieza* (Evenhuis 2020a)].

The following is a catalog of all taxonomic names of Mythicomysiidae found in the literature and includes 467 valid taxonomic species in 35 genera. *Nomina nuda* are included and are treated under available nominal species where possible. Specific taxa marked with a dagger (†) are preserved either as amber inclusions or fossil impressions. Extensions of published distributional ranges are presented only for those taxa where specific identifications of material at hand have been confirmed. The format of presentation essentially follows that given in the world catalog of bee flies (Diptera: Bombyliidae) (Evenhuis & Greathead, 1999).

*Progress since the original 2002 world catalog*

More than 20 years have passed since the original catalog of Mythicomysiidae was published (Evenhuis 2002d). It was hoped that its publication would spur interest into the family and, certainly taxonomically, this has been the case. The number of species now known (467) is a 38% increase over the number listed in 2002 (337) with concerted collecting, continuous research and resulting publications (Chart 1) Much of this activity has taken place in the Palaearctic Region where Babak Gharali and his students have collected (mostly via pan trapping) and studied the family as it occurs in just Iran. If the same level of collecting is done in other areas, it is surmised that the total number of species in the family could easily double worldwide. Work by Carlos Lamas and his students in Brazil are showing the Neotropical realm to be much more diverse in mythicomysiid species than was previously known and new and complex Gondwanan taxa are being found that have a distinct impact on the biogeographic history of the family as well as evolutionary relationships within it. The large arid areas of China and Mongolia remain a vast frontier of high potential for finding new taxa of mythicomysiids, but since the original catalog, only two new species have been described from there (Evenhuis 2019b, Yao & Chen 2019). Expeditions funded primarily by the Schlinger Foundation making extensive use of multiple Malaise traps per site have made collections in Peru, Chile, Argentina, Australia, Madagascar, South Africa, and India, and the thousands of specimens collected from those expeditions are slowly being examined and described. Pan trapping is another collecting method that has shown promise in obtaining mythicomysiids that would otherwise not be collected by flight intercept traps (e.g., low-flying taxa — see below). More pan trapping should be done to help ensure a better estimate of the diversity of the family worldwide.



**Chart 1. Mythicomysiidae described by year.** Anomalous spikes are due to two publications describing mythicomysiids (Melander 1961, Hall 1976). A continuous and concerted effort of study resulting in publications of new taxa since Evenhuis (2000d) is shown at the right.

Although 20 years have passed since the original catalog, still not much is known of the biologies of the immature stages of mythicomyiids where knowledge of larval characters could help resolve putative classifications. Host data and potential or presumed hosts are still known for only six of the 467 species of mythicomyiids. *Psiloderoides mansfieldi* and an undescribed genus and species [the latter misidentified as *Cyrtomorpha flaviscutellaris*], have been reared from grasshopper egg pods in South Africa and Australia, respectively (Hesse, 1967; Fuller, 1938); *Glabellula arctica* has been observed in nests of *Formica* spp. (Meijere, 1924; Andersson 1974, Mielczarek 2018) in Holland, Sweden, and Poland, respectively; a pupa of *Glabellula crassicornis* was found in the USA in a dead locust tree among the frass of an unknown insect and successfully reared to the adult stage (Greene, 1924); *Mythicomymia pusilla* has been recorded as an apparent gregarious parasite of *Anthophora* bee larvae with more than ten larvae feeding on one bee host larva (Thorp, 1969); and an immature of *Mythicomymia pruinosa* was found in an ant midden located beneath a rock (Hall & Evenhuis, 1986). While setting traps of vials in holes in a small cliff in a dry river bed to trap eggs of *Bombylus anthophoroides*, a known parasite of *Anthophora urbana* in California, I instead trapped adult females of *Mythicomymia*. Whether this has any association with other known parasitic behavior of *Mythicomymia* on *Anthophora* could not be verified. Only one additional record was found in the over 15,000 specimens examined during this study: a single specimen of *Glabellula palaestinensis* was found in the stem of *Sorghum*, which was infested with the larvae of the moth *Sesamias* in Egypt. Bowden (1980) stated that “A few species of Mythicomymiinae have been reared from vegetable detritus . . .”, but gave no further details.

Aside from records of flower visitation (most mythicomyiids are collected by sweeping flowers and some species congregate in them as a lekking behavior, much like species of *Usia*), behaviors of Mythicomyiidae are even more rare to be found in the literature than immature biologies. Edwards (1930) described *Mythicomymia pusillima* males as swarming in sunlight in Uruguay and Mühlenberg (1971b) described and illustrated in detail the courtship and mating of an undescribed *Ceratolaemus* (= *Cephalodromia*) in the late afternoon and at dusk in Greece. However, virtually nothing much more has ever been published. I have seen *Mythicomymia* swarm (also in the late afternoon) in a dry stream bed using a large rock as a landmark; sweeping the swarm showed all to be males. *Mythicomymia sedonae* was observed by me in Arizona hovering alone about 1 dm above an *Erigeron* daisy and then dropping onto it to feed. I had seen the same behavior in *Cephalodromia* in South Africa on flowers there (also hovering alone). Mike Irwin (pers. comm.) has seen females of an undescribed genus of mythicomyiid in Argentina each hover a dm or so above dunes and drop to the ground in a similar manner (the abdomen of this species is completely covered with bright silver tomentum that shines in the sunlight and no doubt is used to attract males). *Glabellula* that I have collected from *Eriogonum* in southern California flew much like the small *Perdita* bees they accompanied while searching for flowers and did not drop to land, but settled onto each flower from a much lower elevation (a few millimeters). I have also observed species of *Paraconsors* in New Mexico visiting the flowers of low-growing spotted spurge (*Chamaesyce maculata* [Euphorbiaceae]) and never flew more than a few millimeters above the plants. I had to lie on the ground and view the plants against a light background to be able to see the flies and collect them. Finally, Lamas *et al.* (2023) recorded the first first cave dwelling record of a micro-bee fly by the presence of *Tamandua myia bichuetae* at the entrance of a limestone cave in Brazil in all expeditions carried out during a two year monitoring study.

Increased interest in the family has extended beyond taxonomists to photographers where online repositories of photos like *iNaturalist*, *BugGuide* and *Flickr* have helped record and identify a number of new distributional records and has even led to the discovery of a new genus (Evenhuis 2022a). Given the increased in awareness of the family in the last 20 years and posting of photos of live specimens, it is hoped that the family will undergo even more rigorous study with descriptions of new taxa and analyses of their behavior, biology, ecology, and phylogenetic relationships.





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Many people provided critical assistance throughout this study. Without their help and generosity, this product could not have achieved fruition. I am indebted to the following for their help in various ways: Rudolph Abraham (for information on the destruction of types in ZMUH); David Barraclough (for assistance during the my visit to NMSA and subsequent assistance with further questions about types in NMSA); John Chainey (for generous assistance during my visits to BMNH and help with checking hard-to-find types or historical information); Margie Cochrane (for her generosity and assistance during my visit to SAMC); Ruth Contreras-Lichtenberg (for a list of mythicomyiid types in NMW and her generosity during my visit there); Roy Danielsson (for his assistance with information on types in MZLU); Jürgen Götze (for his detailed list of mythicomyiid type material in the Strobl Collection in NMBA); Patrick Grootaert (for his generosity, kindness, humor, and assistance during the my visit to KBIN); Valery Korneyev (for detailed assistance with the Paramonov Collection in SIZK); Marion Kotrba (for her kindness and generous assistance during my visit to ZMHB and for her help with questions concerning the history of the collection); the late Loïc Matile (for his kindness and assistance during my visit to MNHN); Adrian C. Pont (for his generosity and assistance during my visits to OUMNH); Fabrizio Rigato (for his help in verifying mythicomyiid types in MSNM); Magdi Shaaban Ali El-Hawagry (for his assistance with locating and assessing the status and existence of mythicomyiid types in Egyptian collections); Peter von Tschorsnig (for a list of mythicomyiid types in SMNS); Doreen Werner (for her generosity and assistance during my visit to Germany); Sarah Whitman (for a list of mythicomyiid types in MZHF); Joachim Ziegler (for his generosity and assistance during my visit to DEI). The following provided assistance with questions of authorship and biographical material, obtaining copies of original literature, and/or assistance with publication dating information: Holger Dather (DEI); Reinhard Gaedike (DEI); David Grimaldi (AMNH); Patrick Grootaert (KBIN); Julie Harvey (BMNH); Marion Kotrba (ZMHB); the late Loïc Matile (MNHN); Emilia Nartshuk (ZIS); Adrian Pont (OUMNH); the late F. Christian Thompson (USNM); and the respective staffs of the libraries at BMNH, BPBM, OUMNH, USNM, ZMHB and the Royal Entomological Society, London.

## REVISED EDITION ACKNOWLEDGMENTS

A number of people additional to those many listed above have assisted or contributed in ways to help gain further knowledge of these flies and the making of this revised catalog: my good friends and colleagues Babak Gharali (Iran) and Carlos Lamas (Brazil) have been the two most active participants, and where we are with mythicomyiid taxonomy is due in large part to them and their students. Luanna Mendes (Brazil) is currently working on the phylogenetic relationships of the genera of the family and is thanked for her collaboration on many projects as well as insights into the complex morphological relationships of the male and female genitalia of genera in the family. Her ongoing work has helped me understand the family much more in the last few year than all the years I've studied the family! Yardany Ramos-Pastrana (Colombia) and Pavel Sánchez (Peru) are two of hopefully many more new taxonomists working on the taxonomy of the family and are thanked for their offering me to collaborate with them. The late David Greathead spent a generous amount of his time discussing with me taxonomic complexities of the Mythicomyiidae and his support and knowledge of of the family (as well as his unsurpassed knowledge of bee flies) I sorely miss. Christine Lambkin (Australia) has assisted with reviews of papers and my work with her on a project to describe the first Australian *Empidideicus* benefitted from her keen eye at discerning similarities and differences at the species level. Yao Gang (China) is thanked for his hospitality during my 2014 visit to China (unfortunately no mythicomyiids

were collected). The late Amnon Freidberg is thanked for his having collected the first new mythicomyiid from China since Séguy (1963). I told him of me seeing some on a trip in 1995 at the Ming Tomb but was frustrated in having had no way of collecting them at the time. As an intended surprise, I soon received a package of mythicomyiid specimens from him that HE had collected at the Ming Tomb two years previous; it now bears his name as *Cephalodromia freidbergi* (Evenhuis 2019b).

Last but not least are thanks to the photographers and other citizen scientists who have found new records and taxa of bee flies and microbombyliids. Tops among them are Jean and Fred Hort (Australia) whose photos led to the discovery of the new genus *Zyzzarro*. Also thanked is Nathan Butterworth (Australia), whose photo of a lone microbombyliid resting on a trail in Hobart Tasmania turned out to be the first sighting in exactly 100 years (to the day!) of *Acridophagus paganicus*. His observation was noted on social media and attracted the attention of Simon Grove, who alerted me to his having collected two specimens of that same species in northern Tasmania at about the same time and published the first known photograph of the female of the species (Grove *et al.* 2021). No specimens have been seen since. Digital media is transforming how we conduct research and thanks to all who collaborate via that medium in helping better fill out the manifest of passengers living on Spaceship Earth.

This revised edition of the catalog benefitted from review by Babak Gharali, Carlos Lamas and Luanna Mendes. They are thanked for their assistance in making this catalog as accurate as possible. Errors that remain are mine.

SPECIES DISTRIBUTION

	AF	PA	NE	NO	OR	AU	Total	2002
<b>Psiloderoidinae</b>								
<i>Acridophagus</i> Evenhuis						1	1	2
<i>Ahessia</i> Greathead & Evenhuis	1						1	1
<i>Amydrostylus</i> Lamas, Falaschi & Evenhuis				2			2	
<i>Borrisovia</i> Evenhuis†		1					1	
<i>Carmenelectra</i> Evenhuis†		3					3	
<i>Eoacridophagus</i> Myskowiak, Garrouste & Nel†		1					1	
<i>Onchopelma</i> Hesse	7						7	7
<i>Palaeoplatypygus</i> Kovalev†		1					1	1
<i>Procyrtosia</i> Zaitzev†		1					1	1
<i>Proplatypygus</i> Hennig†		2					2	1
<i>Psiloderoides</i> Hesse	2						2	1
<i>Zyzzarro</i> Evenhuis						1	1	
Unplaced <i>Psiloderoidinae</i>						2	2	
<b>Platypyginae</b>								
<i>Cephalodromia</i> Becker	10	11			3		24	16
<i>Cyrtisiopsis</i> Séguy		3					3	4
<i>Cyrtosia</i> Perris	11	35					42	35
<i>Platypygus</i> Loew	2	12	1		1		15	11
<b>Glbellulinae</b>								
<i>Dolioteryx</i> Hesse	12	5					16	12
<i>Eurodolioteryx</i> Nel†		1					1	
<i>Glbellula</i> Bezzi	5	15	6	7		3	35	19
<i>Glella</i> Greathead & Evenhuis	1			1			2	2
<i>Mnemomyia</i> Bowden	2						2	2
<b>Empidideicinae</b>								
<i>Empidideicus</i> Becker							54	22
<i>Anomaloptilus</i> Hesse	14	3						
<i>Cyrtoides</i> Engel	3	1						
<i>Empidideicus</i> Becker	13	25			1			
<b>Leylaiyinae</b>								
<i>Leylaiya</i> Eflatoun	11	3			1		12	4
<i>Pseudoglbellula</i> Hesse	1						1	1
<b>Mythicomyiinae</b>								
<i>Mitinha</i> Rafael & Limeira-de-Oliveira				1			1	
<i>Mytheoteles</i> Hall & Evenhuis		11	2		1		14	4
<i>Mythicomya</i> Coquillett							183	169
<i>Heterhybos</i> Brèthes			49	11		2		
<i>Mythicomya</i> Coquillett			95					
Unplaced to subgenus	1	1	17	6	2			
<i>Nexus</i> Hall & Evenhuis			1				1	1
<i>Paraconsors</i> Hall & Evenhuis							7	7
<i>Elachymia</i> Hall & Evenhuis			1					
<i>Paraconsors</i> Hall & Evenhuis			6					
<i>Pieza</i> Evenhuis			6	16			21	11
<i>Reissa</i> Evenhuis & Báez		1	1				2	1
<i>Riga</i> Evenhuis†		1					1	
<i>Tamanduamyia</i> Rafael & Limeira-de-Oliveira				2			2	
<b>Unplaced</b>								
<i>Hesychastes</i> Evenhus	1						1	
<i>Microburmyia</i> Grimaldi & Cumming†					2		2	
Totals	97	137	185	46	11	9	467	
2002 totals	53	81	182	18	7	4		337



## EXPLANATORY INFORMATION

### Taxonomic and Nomenclatural Information

**1. Scope:** This catalog includes all names, available and unavailable according to the I.C.Z.N. *Code* (see below), that apply to the extant (living) and extinct (fossil) members of the family Mythicomyiidae occurring in the world.

**2. Adherence to the Code:** Wherever possible, all requirements of the *International Code of Zoological Nomenclature* (I.C.Z.N., 1999) have been followed in this catalog.

**3. Arrangement of taxa:** Names of valid genera are listed alphabetically within higher category (subfamily) and valid subgenera listed alphabetically within genera. Valid species are listed alphabetically within genera or subgenera, and valid infraspecific taxa [varieties and forms (those proposed before 1961), and subspecies] are listed alphabetically within species. Synonyms including all available and unavailable names (genus-group and species-group) and emendations (justified or unjustified) are listed chronologically; variant spellings (termed “errors” and “incorrect original spellings” herein) are placed at the end of the synonyms in chronological order. Unplaceable taxa are listed at the end of the most appropriate taxon (e.g., subgenerically unplaced species at the end of the genus possessing subgenera; subfamiliarily unplaced genera and species at the end of the family treatment).

**4. Typographical treatment of names:** Genus-group and suprageneric headings are centered with authorship. Taxonomically valid genus-group and species-group names are listed in boldface and placed flush left (uppercase for genus-group names; lowercase for species-group names). Nomenclaturally unavailable species-group names (e.g., *nomina nuda*) that could not be synonymized with a taxonomically valid species are listed alphabetically within genera along with valid species, but are in italics. For species-group names, the full reference with original generic combination and genus-group and species-group orthography, author, year, page, and associated synonyms are indented below the main species-group name entry in chronological order. Incorrect original spellings and errors for species-group names are listed at the end of the list of synonyms without being combined with a genus-group name. Unplaceable and unavailable names (*nomina nuda*, non-binominal names, etc.) above the species level are placed in a list at the end of the appropriate higher taxon.

**5. Taxonomic references:** References given after each name pertain to the original proposal of that name. Additional (secondary) references are given in brackets when necessary for nomenclatural purposes, or to give secondary citations when an author described the same taxon as new in a different work (when there is more than one secondary reference they are listed in chronological order). Each reference consists of name (genus- or species-group), author(s), year of publication, and page. Nomenclaturally available genus-group names follow this reference line with information on the type species (see below under Section 6). Suppressed and other unavailable genus-group names (*nomina nuda*, unjustified emendations, and incorrect original and subsequent spellings) do not have type species or type specimen information listed. Taxonomically valid species-group names are followed by geographical distribution (see below under Treatment of Geographical Information). The author and date combination can be used to find the corresponding reference in the Literature Cited section. (When authors have published more than one article in the same year, dates are suffixed with letters denoting chronological order.) Authors cited are those responsible for the names listed in accordance with the Code. Authorship by more than one author is listed as in the original work. When authorship of the name is different from the authorship of the work, the citation takes the form, e.g., “Tabet in Hall & Evenhuis, 1986”, so that the work can be located in the Literature Cited section (in this case, under “Hall & Evenhuis, 1986”). Spelling of authors’ names follows that most commonly used or, when known, the spelling preferred by the author. Spelling of Russian names takes the predomi-

nant form when transliterated from the Cyrillic to the Roman alphabet or the transliterated form preferred by the author (e.g., “Zaitzev” rather than “Zaytsev” or “Zaitsev”). The year of a work given in the catalog is that which is found to be correct, whether through internal or external evidence. In cases where two or more bibliographic references are given for the same name, e.g., “*Empidideicus turkestanicus* Paramonov, 1934: 17, 19 [1947: 88]”, the nomenclatural availability of the name dates from the first reference. Page numbers cited are those on which the name appears in the original work including cases where reprint pagination predates the journal issue date (having been issued in advance of the published journal article). For certain authors for which works are known from reprinted as well as original editions (e.g., Paramonov), both the original and secondary publication pagination are cited, with the secondary pagination in parentheses, e.g., “*Platypygus algeris* Paramonov, 1929: 199(137)”. When an original and secondary publication were published in different years, the secondary publication is cited in brackets, e.g., “*Empidideicus turkestanicus* Paramonov, 1934: 17, 19 [1947: 88]”.

**6. Type species:** Most of the information for type species of genus-group names is taken from Evenhuis (1991, 2002d). Type species of genus-group names are listed in their original binomina with original authorship and date irrespective of their citation and orthography at the time of the establishment of the genus-group name. Subgeneric epithets that may have been included in the original establishment of the type species are omitted. The correct nominal type species is listed first, with any senior synonym listed in brackets, e.g., “Type species: *Mythicomomyia mutabilis* Melander, 1961 [= *Empidideicus propleuralis* Melander, 1946].” Method of fixation of type species follows Articles 68 and 69 of the Code and uses the terms (in order of precedence according to Articles 68 and 69) “original designation”, “monotypy”, “subsequent designation”, and “subsequent monotypy”. In cases of subsequent monotypy and subsequent designation, the author, date, and page of the designation is given, e.g., “. . . subsequent designation (I.C.Z.N., 1989: 148)”.

**7. Homonyms and replacement names:** Preoccupied names are noted with annotations in brackets. Genus-group junior homonyms have this bracketed information following the type species information; species-group junior homonyms have this bracketed information following the type locality. Replacement names are listed with the preoccupied name they replace in parentheses after the page reference, e.g., “ACRIDOPHAGUS Evenhuis, 1983a: 318 (new replacement name for *Robertsella* Evenhuis, 1978).”

**8. Emendations and variant spellings:** Genus-group names published prior to 1991 and associated type species information were checked by me and were published in Evenhuis (1991). There are no known published emendations for genus-group or species-group names in the Mythicomyiidae. Incorrect spellings are not available names, hence are listed in the form: “*Mythicomomyia*: [author, year: page], followed by “incorrect original spelling of [taxon name]” in parentheses if the incorrect spelling is an example of more than one spelling for the same taxon found in the original publication. When a name is spelled in more than one way in the original publication, the correct spelling is determined by the First Revisor Principle. Other variant spellings (i.e., incorrect subsequent spellings) are listed as “incorrect spelling of [taxon name].” The listing of these variant spellings is not exhaustive, but reflects those names found in the major reference works that otherwise may lead to confusion as to correct orthography.

**9. Gender endings of species-group names:** Names in synonymy are cited in their original orthography, but to satisfy Article 30 of the Code, taxonomically valid names have been checked and changed when necessary to ensure that the ending agrees in gender with the genus under which it is presently combined.

**10. Nomenclatural changes:** Changes in binominal combination, rank, and validity presented for the first time in this catalog are marked in boldface with abbreviated notations (listed in Section 13). With regard to junior synonyms, changes in binomial combination or changes in rank are not annotated.

**11. Type depositories:** Every effort was made to ascertain the existence of a type or types and its/their type depository(s). The form of citation is indication of the rank of type that currently exists (e.g., syntype, holotype, lectotype, etc.) and the location of the type specimen(s). Codens for collections are those listed in the revised web version of Arnett et al. (1993) (see <http://hbs.bishopmuseum.org/codens>). Primary types that have been examined by me either on site or through loan are indicated by an asterisk (\*). The following institutions have been visited by me for the purpose of studying types of Mythicomyiidae: AMS, ANIC, BMNH, BPBM, CAS, CNC, DEI, HNHM, KBIN, MNHN, NMSA, NMW, OUMNH, QM, SAM, SAMC, USNM, ZMHB. Type specimens of Chilean species currently in MEUC were seen by me in the collection of Jack Hall before they were sent for deposition to MEUC. If a lectotype has been previously designated, the citation referring to such a designation is given in parentheses following the rank of type.

Abbreviations used for types:

H = holotype

L = lectotype

N = neotype

S = syntype(s)

T = type (status not ascertained)

Abbreviations for type depositories:

AMS = Australian Museum, Sydney, NSW, Australia

ANIC = Australian National Insect Collection, Canberra, ACT, Australia

ANSP = Academy of Natural Sciences, Philadelphia, Pennsylvania, USA

BMNH = Natural History Museum, London, UK

BPBM = Bernice Pauahi Bishop Museum, Honolulu, Hawai'i, USA

BYU = Brigham Young University, Provo, California, USA

CAS = California Academy of Sciences, San Francisco, California, USA

CEUA = Universidad de Antioquia, Medellín, Antioquia, Colombia

CNC = Canadian National Collection, Ottawa, Ontario, Canada

CUE = Cairo University, Cairo, Egypt

CZMA = Coleção Zoológica do Maranhão, Caxias, Maranhão, Brazil

DEI = Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany

ESEC = Entomological Society of Egypt, Cairo, Egypt

HMIM = Hayk Mirzayans Insect Museum, Iranian Research Institute of Plant Protection, Tehran

HNHM = Hungarian Natural History Museum, Budapest, Hungary [most Diptera types destroyed during the 1956 insurrection]

INPC = National Pusa Collection, New Delhi, India

IRIPP = *see* HMIM

KBIN = Royal Belgian Institute of Natural History, Brussels, Belgium

LEUA = Laboratorio de Entomología, Universidad de la Amazonia, Florencia, Caquetá, Colombia

MABC = Marcos Báez personal collection, Tenerife, Canary Islands

MACN = Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina

MCSN = Museo Civico di Storia Naturali "Giacomo Doria", Genoa, Italy

MCSV = Museo Civico di Storia Naturali di Venezia, Venice, Italy

MEUC = Universidad de Chile, Santiago, Chile

MHNN = Museum d'Histoire Naturelle, Neuchâtel, Switzerland

MNHG = Muséum d'Histoire Naturelle, Genève, France

- MNHN = Museum National d'Histoire Naturelle, Paris, France  
 MNHNR = Museum National d'Histoire Naturelle, Rabat, Morocco  
 MNNC = Museo Nacional de Historia Natural, Santiago, Chile  
 MNRJ = Museu Nacional de Rio de Janeiro, Rio de Janeiro, Brazil  
 MSNM = Museo Civico di Storia Naturale, Milan, Italy  
 MTD = Museum für Tierkunde, Dresden, Germany.  
 MUSM = Natural History Museum, Universidad Nacional Mayor de San Marcos, Lima, Peru  
 MZHF = Museum of Zoology, University of Helsinki, Helsinki, Finland  
 MZLU = Zoological Museum, University of Lund, Lund, Sweden  
 MZUN = Museo dell'Istituto di Zoologia dell'Università di Napoli, Naples, Italy  
 MZUSP = Museu de Zoologia, Universidade de São Paulo, São Paulo, Brazil  
 NHMM = Natuurhistorisch Museum, Maastricht, Netherlands  
 NLE = Neal L. Evenhuis personal collection, Honolulu, Hawai'i, USA  
 NMBA = Naturhistorisches Museum, Admont, Austria  
 NMNW = National Museum of Namibia, Windhoek, Namibia  
 NMSA = Natal Museum, Pietermaritzburg, South Africa  
 NMW = Naturhistorisches Museum, Vienna, Austria  
 NMWC = National Museum of Wales, Cardiff, UK  
 OUMNH = Oxford University Museum of Natural History, Oxford, UK.  
 PMHU = Paläontologisches Museum, Berlin, Germany  
 PPDD = Ministry of Agriculture, Cairo, Egypt  
 PPRI = National Collection of Insects, Pretoria, South Africa  
 QM = Queensland Museum, Brisbane, Australia  
 SAM = South Australian Museum, Adelaide, Australia  
 SAMC = South Africa Museum, Cape Town, South Africa  
 SIZK = Schmalhausen Institute of Zoology, Kyiv, Ukraine  
 SMNS = Museum für Naturkunde, Stuttgart, Germany  
 TAU = Tel Aviv University, Tel Aviv, Israel  
 TMUC = Tarbiat Modares University Insect Collection, Tehran, Iran  
 UCD = University of California, Davis, California, USA  
 UCM = University of Colorado Museum of Natural History, Boulder, Colorado, USA  
 UCR = University of California, Riverside, California, USA  
 UNKN = Type depository unknown or not traced in this study  
 USNM = National Museum of Natural History, Washington, D.C., USA  
 ZIS = Zoological Institute, Russian Academy of Science, St. Petersburg, Russia  
 ZMFU = Zoologisches Museum, Frei Universität, Berlin  
 ZMHB = Museum für Naturkunde, Berlin, Germany  
 ZMUC = Natural History museum of Denmark, University of Copenhagen, Copenhagen, Denmark  
 ZMUH = Zoologisches Museum und Institut, Hamburg, Germany  
 ZMUM = Zoological Museum, University of Moscow, Russia  
 ZSI = Zoological Survey of India, Kolkata, India  
 ZSMC = Zoologische Staatssammlung des Bayern, Munich, Germany

**12. Miscellaneous annotations:** Unavailable names are listed under their current synonym (if known), without type locality, depository, or distributional information, and are followed by “*Nomen nudum*” or other reason for their unavailability. When synonymy is not known for them, they are listed alphabetically under the currently accepted generic combination. New combinations and/or synonymy for *nomina nuda* are not annotated as such. Other annotations are added in brackets for various circumstances such as nomenclatural actions that clarify usage, etc.



**13. Abbreviations and symbols:** The following abbreviations and symbols are used throughout the catalog:

† = fossil taxon

[A] = amber fossil

[C] = compression/impression fossil

Code = International Code of Zoological Nomenclature

ed(s). = editor(s)

f. = form

I.C.Z.N. = International Commission on Zoological Nomenclature

I(s) = Island(s)

*in litt.* = *in litteris*

Mt(s) = Mount/Mountain(s)

P(p). = page(s)

pers. comm. = personal communication

var. = variety

### Treatment of Geographical Information

**1. Zoogeographical realm delimitation:** The zoogeographical realms used here are Afrotropical, Australasian, Nearctic, Neotropical, Oriental, and Palaearctic. Delimitation of the Afrotropical and Australasian realms are based primarily on the boundaries defined in Kirk-Spriggs (2017) (Afrotropical) and Evenhuis (1989) (Australasian). The boundaries for the remainder of these realms are based on political boundaries as this provided a convenient and absolute delimitation, although they may be at odds with realms from a zoological standpoint. For the delimitation between the Nearctic and Neotropical Regions, the boundaries in Mexico are based on the following: **Nearctic** (Aguascalientes, Baja California, Chihuahua, Coahuila de Zaragoza, Colima, Distrito Federal, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, México, Michoacán, Morelos, Nayarit, Nuevo León, Puebla, Querétaro, San Luis Potosí, Sinaloa, Sonora, Tamaulipas, Tlaxcala, Veracruz, Zacatecas). **Neotropical** (Campeche, Chiapas, Oaxaca, Quintana Roo, Tabasco, Yucatán). For the delimitation of the Oriental and Palaearctic Regions, the boundaries in China are based on the following: **Oriental** (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hong Kong, Hunan, Jiangxi, Shanghai, Yunnan, Zhejiang); **Palaearctic** (Anhui, Beijing, Gansu, Hebei, Heilongjiang, Henan, Hubei, Jiangsu, Jilin, Liaoning, Nei Monggol, Ningxia, Qinghai, Shanxi, Shaanxi, Shandong, Sichuan, Tianjin, Xinjiang, Xizang).

**2. Type localities:** Only the country, island group, or state or province are listed depending on the format. In cases where the original citation of the type locality differs from a contemporary geopolitical entity, the country or main geopolitical unit of the type locality is cited in full as given in the original publication and placed in quotes. The type locality is followed by supplemental distributional information, if known, separated from the type locality by a semicolon. When more than one type locality is listed by the author and no lectotype has been designated, these localities are listed with each locality connected by an ampersand, or are cited verbatim, e.g., “Greece” & “Turkey”; “Persie.” When a lectotype has been designated from one of the original localities, only the lectotype locality is listed without further annotation. Some countries and island groups are broken down to states, provinces, archipelagos, overseas or other outside dependencies, and smaller island groups. These “sublocalities” are placed in parentheses after the main locality, e.g., “Australia (NSW),” “USA (California)”. If the type locality was not given in the original description or in any other part of the original work, the term “Not given” is used.

**3. Fossil Taxa:** Species originally described from fossils are listed with form of preservation (amber, or compression/impression), their known geographical distribution, as well as their geological horizon (e.g., Miocene, Oligocene, Eocene).

**4. Distribution:** Complete distributional information as is known from the literature is listed in alphabetical order with additional records from unpublished information that has been verified to the best possible extent. Localities preceded by a query are considered questionable for purposes of this catalog.

**5. Abbreviations:** The following abbreviations are used in the geographical treatment of the catalog:

ACT = Australian Capital Territory (Australia)

AF = Afrotropical

AU = Australasian

DC = District of Columbia (USA)

incl. = including

NE = Nearctic

NSW = New South Wales (Australia)

NT = Northern Territory (Australia)

NO = Neotropical

OR = Oriental

PA = Palaearctic

Qld = Queensland

SA = South Australia (Australia)

Tas = Tasmania

UAE = United Arab Emirates

USA = United States of America

**5. Geographical equivalents:** Countries and states and provinces within countries listed in the distribution for each species follow current Anglo-American orthography. An exception is the eastern European republic of Georgia, for which “Gruzia” is used so as to avoid confusion with the USA state of Georgia.

**6. Geographical areas broken down below country level:** The following countries are broken down to state/province/island, etc. Australia, Brazil, Canada, India, Mexico, Russia, South Africa, and the United States. The following countries have off-shore islands or island-groups listed in parentheses: France, Greece, and Italy.

# THE CATALOG

## Subfamily PSILODEROIDINAE Hull

### Genus ACRIDOPHAGUS Evenhuis

*Cyrtomorpha* White, 1916: 185. Type species: *Cyrtomorpha paganica* White, 1916, by monotypy. [Preoccupied by Graff, 1882.]

*Robertsella* Evenhuis, 1978: 247 (new replacement name for *Cyrtomorpha* White, 1916). Type species: *Cyrtomorpha paganica* White, 1916, automatic. [Preoccupied by Guinot, 1969.]

**ACRIDOPHAGUS** Evenhuis, 1983a: 318 (new replacement name for *Robertsella* Evenhuis, 1978). Type species: *Cyrtomorpha paganica* White, 1916, automatic.

#### **paganicus**

*Cyrtomorpha paganica* White, 1916: 186. TYPE LOCALITY: Australia (Tas) [H in BMNH\*].

DISTRIBUTION: **Australasian**: Australia (Tas).

### Genus AHESSEA Greathead & Evenhuis

**AHESSEA** Greathead & Evenhuis, 2001b: 132. Type species: *Cyrtisiopsis crassirostris* Hesse, 1967, by original designation.

#### **crassirostris**

*Cyrtisiopsis crassirostris* Hesse, 1967: 98. TYPE LOCALITY: South Africa (Eastern Cape) [L designated by Evenhuis (1993: 95) in SAMC\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Eastern Cape).

### Genus AMYDROSTYLUS Lamas, Falaschi & Evenhuis

**AMYDROSTYLUS** Lamas, Falaschi & Evenhuis, 2015: 404. Type species: *Amydrostylus triadicophallus* Lamas, Falaschi & Evenhuis, 2015, by original designation.

#### **martinsi**

*Amydrostylus martinsi* Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2023: 3. TYPE LOCALITY: Brazil (Pernambuco) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Pernambuco).

#### **triadicophallus**

*Amydrostylus triadicophallus* Lamas, Falaschi & Evenhuis, 2015: 404. TYPE LOCALITY: Brazil (Mato Grosso do Sul) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Mato Grosso do Sul).

### Genus BORISSOVIA Evenhuis

**BORISSOVIA**† Evenhuis, 2002e: 13. Type species: *Proplatypygus rohdendorfi* Zaitzev, 1986, by original designation.

#### **rohdendorfi**†

*Proplatypygus rohdendorfi* Zaitzev, 1986: 815. TYPE LOCALITY: Russia (Siberia) [H in ZMUM\*].

DISTRIBUTION: **Palearctic**: Russia (Siberia) (Cretaceous) [A].

**Genus CARMENELECTRA Evenhuis**

**CARMENELECTRA**† Evenhuis, 2002e: 11. Type species: *Carmenelectra shechisme* Evenhuis, 2002, by original designation & monotypy.

**pernigra**†

*Carmenelectra pernigra* Evenhuis, 2013: 376. TYPE LOCALITY: Baltic Region [H in BPBM\*].

DISTRIBUTION: **Palaeartic**: Baltic Region (Eocene) [A].

**shechisme**†

*Carmenelectra shechisme* Evenhuis, 2002e: 11. TYPE LOCALITY: Baltic Region [H in DEI\*].

DISTRIBUTION: **Palaeartic**: Baltic Region (Eocene) [A].

**shehuggme**†

*Carmenelectra shehuggme* Evenhuis, 2013: 377. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK\*].

DISTRIBUTION: **Palaeartic**: Ukraine (Eocene) [A].

**Genus EOACRIDOPHAGUS Myskowiak, Garrouste & Nel**

**EOACRIDOPHAGUS**† Myskowiak, Garrouste & Nel, 2016: 583. Type species: *Eoacridophagus azari* Myskowiak, Garrouste & Nel, 2016, by original designation.

**azari**†

*Eoacridophagus azari* Myskowiak, Garrouste & Nel, 2016: 583. TYPE LOCALITY: France (Le Quesnoy) [H in MNHN].

DISTRIBUTION: **Palaeartic**: France (Eocene) [A].

**Genus ONCHOPELMA Hesse**

**ONCHOPELMA** Hesse, 1938: 973. Type species: *Onchopelma pulchella* Hesse, 1938, by original designation.

**brevifasciatum**

*Onchopelma brevifasciatum* Evenhuis, 2002c: 3. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**irwini**

*Onchopelma irwini* Evenhuis, 2002c: 6 TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**karooanum**

*Onchopelma karooanum* Hesse, 1967: 105. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**majus**

*Onchopelma majus* Evenhuis, 2002c: 7. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**nitidum**

*Onchopelma nitidum* Evenhuis, 2002c: 9. TYPE LOCALITY: Namibia [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**pulchellum**

*Onchopelma pulchella* Hesse, 1938: 976. TYPE LOCALITY: Namibia [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**trilineatum**

*Onchopelma trilineata* Hesse, 1938: 978. TYPE LOCALITY: Namibia [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**Genus PALAEOPLATYPYGUS Kovalev**

**PALAEOPLATYPYGUS**† Kovalev in Kalugina & Kovalev, 1985: 186. Type species:

*Palaeoplatypygus zaitzevi* Kovalev, 1985, by original designation.

**zaitzevi**†

*Palaeoplatypygus zaitzevi* Kovalev in Kalugina & Kovalev, 1985: 187. TYPE LOCALITY:

Russia (Siberia) [H in ZMUM\*].

DISTRIBUTION: **Palaearctic**: Russia (Siberia) (Jurassic) [C].

**Genus PROCYRTOSIA Zaitzev**

**PROCYRTOSIA**† Zaitzev, 1986: 817 [1987: 152]. Type species: *Procyrtosia sukatshevae*

Zaitzev, 1986, by original designation.

**sukatshevae**†

*Procyrtosia sukatshevae* Zaitzev, 1986: 817 [1987: 152]. TYPE LOCALITY: Russia

(Siberia) [H in ZMUM\*].

DISTRIBUTION: **Palaearctic**: Russia (Siberia) (Cretaceous) [A].

**Genus PROPLATYPYGUS Hennig**

**PROPLATYPYGUS**† Hennig, 1969: 58. Type species: *Proplatypygus succineus* Hennig,

1969, by monotypy.

**matilei**†

*Proplatypygus matilei* Nel & de Ploëg, 2004: 61. TYPE LOCALITY: France (Le Quesnoy)

[H in MNHN].

DISTRIBUTION: **Palaearctic**: France (Eocene) [A].

**succineus**†

*Proplatypygus succineus* Hennig, 1969: 58. TYPE LOCALITY: Baltic Region [H in

ZMUC\*].

DISTRIBUTION: **Palaearctic**: Baltic Region (Eocene) [A].

**Genus PSILODEROIDES Hesse**

**PSILODEROIDES** Hesse, 1967: 121. Type species: *Psiloderoides mansfieldi* Hesse, 1967,

by original designation.

**dauresensis**

*Psiloderoides dauresensis* Kirk-Spriggs & Evenhuis, 2008: 123. TYPE LOCALITY:

Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**mansfieldi**

*Psiloderoides mansfieldi* Hesse, 1967: 126. TYPE LOCALITY: South Africa (Northern

Province) [H in PPRI\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Province).

**Genus ZZZZZARRO Evenhuis**

**ZZZZZARRO** Evenhuis, 2022a: 5. Type species: *Zyzzarro hortorum* Evenhuis, 2022, by original designation.

**hortorum**

*Zyzzarro hortorum* Evenhuis, 2022a: 5. TYPE LOCALITY: Australia (WA) [H in WAMP\*].

DISTRIBUTION: **Australasian**: Australia (WA).

**Unplaced to genus of PSILODEROIDINAE**

**flaviscutellaris**

*Cyrtomorpha flaviscutellaris* Roberts, 1929: 566. TYPE LOCALITY: Australia (WA) [H in AMS\*].

DISTRIBUTION: **Australasian**: Australia (WA).

**parvissima**

*Cyrtosia parvissima* Roberts, 1929: 567. TYPE LOCALITY: Australia (Qld) [H in QM\*].

DISTRIBUTION: **Australasian**: Australia (Qld).

## Subfamily PLATYPYGINAE Verrall

### Genus CEPHALODROMIA Becker

**CEPHALODROMIA** Becker, 1914: 121. Type species: *Cephalodromia curvata* Becker, 1914, by monotypy.

*Ceratolaemus* Hesse, 1938: 969 (as subgenus of *Platypygus* Loew). Type species: *Platypygus xanthogrammus* Hesse, 1938 [= *Cyrtosia scutellaris* Bezzi, 1926], by original designation.

#### **albocincta**

*Cyrtosia albocincta* Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Tunisia [3S in MNHN\*].

DISTRIBUTION: **Palaeartic**: Tunisia.

#### **amnicola**

*Cyrtosia amnicola* Bowden, 1965: 203. TYPE LOCALITY: Nepal [H in BMNH\*].

DISTRIBUTION: **Oriental**: Nepal.

#### **beckeri**

*Empidideicus beckeri* Bezzi, 1908: 180. South Africa. TYPE LOCALITY: South Africa (Northern Cape) [H (destroyed; see Evenhuis, 1993: 93) in ZMHB].

*Empidideicus beckeri*: Becker in Becker, Kuntze, Schnabl & Villeneuve, 1910: 637 (misspelling of *beckeri*).

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

#### **bicolor**

*Cyrtosia bicolor* Santos Abreu, 1926: 44. TYPE LOCALITY: Canary Is [1S in MABC].

DISTRIBUTION: **Palaeartic**: Canary Is.

#### **bilineata**

*Ceratolaemus bilineatus* Hesse, 1967: 102. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

#### **cognata**

*Cyrtosia cognata* Engel, 1933: 107. TYPE LOCALITY: Israel [S in UNKN].

*Cyrtosia cognata* var. *trisignata* Engel, 1933: 108. TYPE LOCALITY: “Palaestina” [H in UNKN].

DISTRIBUTION: **Palaeartic**: Israel.

#### **colonica**

*Ceratolaemus colonica* Deeming, 1973: 64. *Nomen nudum*.

#### **curvata**

*Cephalodromia curvata* Becker, 1914: 121. TYPE LOCALITY: Kenya [T in UNKN].

DISTRIBUTION: **Afrotropical**: Kenya.

#### **dichadopercnis**

*Cephalodromia dichadopercnis* Evenhuis, 2009: 725. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

#### **dumonti**

*Ceratolaemus dumonti* Séguy, 1930a: 98 [1930b: 80]. TYPE LOCALITY: Tunisia [H in MNHN\*].

DISTRIBUTION: **Palaeartic**: Tunisia.

**flava**

*Cyrtosia flava* Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Tunisia [H in MNHN\*].  
DISTRIBUTION: **Palaearctic**: Tunisia.

**freidbergi**

*Cephalodromia freidbergi* Evenhuis, 2019b: 3. TYPE LOCALITY: China (Beijing) [H in TAU\*].  
DISTRIBUTION: **Palaearctic**: China (Beijing).

**fusca**

*Cyrtosia fusca* Séguy, 1938: 332. TYPE LOCALITY: Kenya [6S in MNHN\*].  
DISTRIBUTION: **Afrotropical**: Gambia, Kenya, Mozambique, Namibia, South Africa (KwaZulu-Natal), Swaziland.

**gobica**

*Cyrtosia gobica* Zaitzev, 1972: 854. TYPE LOCALITY: Mongolia [H in ZIS].  
DISTRIBUTION: **Palaearctic**: China (Beijing), Mongolia.

**humeralis**

*Cyrtosia humeralis* Santos Abreu, 1926: 47. TYPE LOCALITY: Canary Is [1S in MABC].  
DISTRIBUTION: **Palaearctic**: Canary Is.

**ktantesula**

*Cephalodromia ktantesula* Evenhuis, 2009: 724. TYPE LOCALITY: UAE [H in NMWC\*].  
DISTRIBUTION: **Afrotropical**: UAE.

**longirostris**

*Ceratolaemus longirostris* Hesse, 1967: 103. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal) [H in NMSA\*].  
DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

**montana**

*Ceratolaemus montanus* Hesse, 1967: 103. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].  
DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**nitens**

*Cyrtosia nitens* Loew, 1846: 421. TYPE LOCALITY: Italy & Italy (Sicily) [1S in ZMHB\*].  
DISTRIBUTION: **Palaearctic**: Egypt, Italy (incl. Sicily).

**ornatifrons**

*Cyrtosia ornatifrons* Séguy, 1932: 160. TYPE LOCALITY: Madagascar [2S in MNHN\*].  
DISTRIBUTION: **Afrotropical**: Madagascar.

**pusaensis**

*Glabellula pusaensis* Kapoor & Agarwal in Kapoor, Agarwal & Grewal, 1979: 409.  
TYPE LOCALITY: India (Bihar) [H in INPC].  
DISTRIBUTION: **Oriental**: India (Bihar).

**scutellaris**

*Cyrtosia scutellaris* Bezzi, 1926: 259 (key only). TYPE LOCALITY: South Africa (Mpumalanga) [1S (destroyed) in HNHM; L designated by Greathead & Evenhuis (2004: 11) in MSNM\*].  
*Platypygus xanthogrammus* Hesse, 1938: 971. TYPE LOCALITY: South Africa (Kwa-Zulu-Natal) [H in BMNH\*].  
DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal, Mpumalanga). Tanzania.



**seia**

*Cyrtosia seia* Séguy, 1963: 253. TYPE LOCALITY: “Paita” [= China (Hebei)] [L designated by Evenhuis (2019: 8) in MNHN\*].

DISTRIBUTION: **Palaeartic**: China (Hebei).

**simproboscis**

*Glabellula simproboscis* Kapoor & Agarwal in Kapoor, Agarwal & Grewal, 1979: 410.

TYPE LOCALITY: India (Bihar) [H in INPC].

DISTRIBUTION: **Oriental**: India (Bihar).

**Genus CYRTISIOPSIS Séguy**

**CYRTISIOPSIS** Séguy, 1930b: 80. Type species: *Cyrtisiopsis singularis* Séguy, 1930, by original designation.

**maculiventris**

*Platypygus maculiventris* Loew, 1874: 416. TYPE LOCALITY: Iran [H (lost?) in ZMHB].

DISTRIBUTION: **Palaeartic**: ?Egypt, Iran.

**melleus**

*Platypygus melleus* Loew, 1856: 31. TYPE LOCALITY: Egypt [1S in ZMHB\*].

*Platypygus algirus* Paramonov, 1929: 137(199). TYPE LOCALITY: Algeria [H (destroyed) in ZMUH].

DISTRIBUTION: **Palaeartic**: Algeria, Armenia, Azerbaijan, Egypt, France, Greece, Gruzia, Iran, Italy (incl. Sardinia), Jordan, Morocco, Russia, Spain, Tajikistan, Turkey, Turkmenistan, Ukraine.

**singularis**

*Cyrtisiopsis singularis* Séguy, 1930b: 80. TYPE LOCALITY: Libya & Spain & Morocco [4S in MNHN\*; 1S in MCSN].

DISTRIBUTION: **Palaeartic**: Libya, Morocco, Spain.

**Genus CYRTOSIA Perris**

**CYRTOSIA** Perris, 1839: 54. Type species: *Cyrtosia marginata* Perris, 1839, by monotypy.

**abragi**

*Cyrtosia abragi* Efflatoun, 1945: 38. TYPE LOCALITY: Egypt [5S in ESEC (all lost), 13S in CUE].

DISTRIBUTION: **Palaeartic**: Egypt.

**aglota**

*Cyrtosia aglota* Séguy, 1930a: 98 [1930b: 79]. TYPE LOCALITY: Algeria [2S in MNHN\*].

DISTRIBUTION: **Palaeartic**: Algeria, Morocco.

**arabica**

*Cyrtosia arabica* Evenhuis, 2009 720. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**baccadomus**

*Cyrtosia baccadomus* Gharali & Evenhuis, 2017a: 231. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran.

**bispermatheca**

*Cyrtosia bispermatheca* Gharali & Evenhuis, 2017a: 235. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaeartic**: Iran.

**canariensis**

*Cyrtosia tetragramma* var. *canariensis* Engel, 1933: 116. TYPE LOCALITY: Canary Is [H in ZMHB\*].

*Cyrtosia canariensis* f. *tenuis* Frey, 1958a: 15, 17. TYPE LOCALITY: Canary Is [T in MZHF].

DISTRIBUTION: **Palaearctic**: Canary Is.

**certoza**

*Cyrtosia certoza* Evenhuis & Gharali, 2020: 25. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

**charops**

*Cyrtosia charops* Evenhuis & Gharali, 2020: 25. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**chongorica**

*Cyrtosia chongorica* Zaitzev, 1975: 549. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaearctic**: Mongolia.

**cinerascens**

*Cyrtosia cinerascens* Loew, 1873: 207. TYPE LOCALITY: Tajikistan [T in UNKN].

DISTRIBUTION: **Palaearctic**: Tajikistan, Turkmenistan, Uzbekistan.

**cossacki**

*Cyrtosia cossacki* Evenhuis, 2018: 129. TYPE LOCALITY: Kazakhstan [H in OUMNH\*].

DISTRIBUTION: **Palaearctic**: Kazakhstan.

**flavorufa**

*Cyrtosia flavorufa* Strobl, 1909: 151. TYPE LOCALITY: Spain [H in NMBA].

*Cyrtosia rufoflava*: Morge, 1976: 420 (misspelling of *Cyrtosia flavorufa*).

DISTRIBUTION: **Palaearctic**: Spain.

**geniculata**

*Cyrtosia geniculata* Séguy, 1930b: 80. TYPE LOCALITY: Tunisia [H in MNHN\*].

DISTRIBUTION: **Palaearctic**: Tunisia.

**gulperii**

*Cyrtosia gulperii* Efflatoun, 1945: 40. TYPE LOCALITY: Egypt [5S in CUE; 11S (2 lost) in ESEC].

DISTRIBUTION: **Afrotropical**: Oman, Sudan, UAE. **Palaearctic**: Egypt.

**injii**

*Cyrtosia injii* Efflatoun, 1945: 41. TYPE LOCALITY: Egypt [11S in CUE, 5S in ESEC (8 lost)].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaearctic**: Egypt.

**jeanneli**

*Cyrtosia jeanneli* Séguy, 1949a: 84. TYPE LOCALITY: Algeria [1S in MNHN\*].

DISTRIBUTION: **Palaearctic**: Algeria.

**luteiventris**

*Cyrtosia luteiventris* Bezzi, 1926: 262. TYPE LOCALITY: Egypt [H (destroyed) in PPDD].

*Cyrtosia luteiventris* var. *minima* Efflatoun, 1945: 45 TYPE LOCALITY: Egypt [3S in CUE, 1S in ESEC].

DISTRIBUTION: **Palaearctic**: Egypt.

**manni**

*Cyrtosia manni* Evenhuis, 2018: 132. TYPE LOCALITY: Kazakhstan [H in OUMNH\*].  
DISTRIBUTION: **Palaearctic**: Kazakhstan.

**marginata**

*Cyrtosia marginata* Perris, 1839: 56. TYPE LOCALITY: France [2S in MNHN\*].  
DISTRIBUTION: **Palaearctic**: Bulgaria, Egypt, France, Germany, Poland, Serbia, UK (Channel Is).

**meridionalis**

*Cyrtosia meridionalis* Rondani, 1863: 73 [1864: 73]. TYPE LOCALITY: Italy [T in UNKN].  
DISTRIBUTION: **Palaearctic**: Egypt, France, Iran, Italy (incl. Sardinia), Mongolia, Spain, Tajikistan, Turkmenistan.

**namaquensis**

*Cyrtosia namaquensis* Hesse, 1967: 94. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC\*].  
DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**nigrescens**

*Cyrtosia nigrescens* Zaitzev, 1972: 850. TYPE LOCALITY: Mongolia [H in ZIS].  
DISTRIBUTION: **Palaearctic**: Mongolia, Russia (WS).

**nitidissima**

*Cyrtosia nitidissima* Engel, 1933: 111. TYPE LOCALITY: Algeria [H in NMW\*].  
DISTRIBUTION: **Palaearctic**: Algeria.

**nubila**

*Epidideicus nubilus* Bezzi, 1925: 188. TYPE LOCALITY: Egypt [1S in MSNM].  
DISTRIBUTION: **Afrotropical**: Ethiopia, Sudan. **Palaearctic**: Egypt.

**obscuripes**

*Cyrtosia obscuripes* Loew, 1855: 39. TYPE LOCALITY: Greece [H in ZMHB\*].  
*Cyrtosia obscuripes* var. *maculithorax* Engel, 1933: 113. TYPE LOCALITY: Tunisia [H in ZMHB\*].  
DISTRIBUTION: **Palaearctic**: Greece, Gruzia, Italy, Kazakhstan, Macedonia, Tunisia, Turkmenistan, Uzbekistan, Yugoslavia.

**occidentalis**

*Cyrtosia occidentalis* Rondani, 1863: 74 [1864: 73]. TYPE LOCALITY: Italy [T in UNKN].  
DISTRIBUTION: **Palaearctic**: Italy.

**opaca**

*Cyrtosia opaca* Loew, 1846: 420. TYPE LOCALITY: Not given [= Italy (Sicily)] [2S in ZMHB\*].  
DISTRIBUTION: **Afrotropical**: Sudan. **Palaearctic**: Egypt, Greece, Italy (incl. Sicily), Serbia.

**pallipes**

*Cyrtosia pallipes* Costa, 1885: 324. TYPE LOCALITY: Italy (Sardinia) [H in MZUN].  
DISTRIBUTION: **Palaearctic**: Italy (incl. Sardinia).

**panemplio**

*Cyrtosia panemplio* Evenhuis, 2009 722. TYPE LOCALITY: UAE [H in NMWC\*].  
DISTRIBUTION: **Afrotropical**: Oman, UAE.

**perfecta**

*Empidideicus perfectus* Becker in Becker, Kuntze, Schnabl & Villeneuve, 1910: 637.

TYPE LOCALITY: France (Corsica) [H in ZMHB\*].

DISTRIBUTION: **Palaearctic**: France (incl. Corsica), Italy (incl. Sardinia).

**persica**

*Cyrtosia persica* Gharali & Evenhuis in Gharali, Kamali, Evenhuis & Talebi, 2011b: 152. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran.

**pruinosa**

*Cyrtosia pruinosa* François, 1969: 114. TYPE LOCALITY: Spain [H in ZMUC].

DISTRIBUTION: **Palaearctic**: Spain.

**pusilla**

*Cyrtosia pusilla* Loew, 1873: 206. TYPE LOCALITY: “Kisilkum” [= Uzbekistan] [H in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Egypt, Iran, Kazakhstan, Mongolia, Saudi Arabia, Tajikistan, Turkmenistan, Uzbekistan.

**separata**

*Cyrtosia separata* Efflatoun, 1945: 51. TYPE LOCALITY: Egypt [H in ESEC].

DISTRIBUTION: **Palaearctic**: Egypt.

**serena**

*Empidideicus serena* Becker, 1915: 329. TYPE LOCALITY: Tunisia [T in ZMHB].

DISTRIBUTION: **Palaearctic**: Greece, Tunisia.

**stuckenbergi**

*Cyrtosia stuckenbergi* Hesse, 1967: 95. TYPE LOCALITY: South Africa (Western Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**subnitens**

*Cyrtosia subnitens* Zaitzev, 1972: 854. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaearctic**: Mongolia.

**sympatrica**

*Cyrtosia sympatrica* Evenhuis, 2018: 132. TYPE LOCALITY: Kazakhstan [H in OUMNH\*].

DISTRIBUTION: **Palaearctic**: Kazakhstan.

**tetragramma**

*Cyrtosia tetragramma* Bezzi, 1926: 261. TYPE LOCALITY: Egypt [H (destroyed) in ESEC].

DISTRIBUTION: **Palaearctic**: Egypt.

**tibiella**

*Cyrtosia tibiella* Morge, 1976: 365. *Nomen nudum*.

**trivitta**

*Cyrtosia trivitta* Hakimian, Nozari, Gharali & Evenhuis, 2018: 196. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Kazakhstan.

**zieglerii**

*Cyrtosia zieglerii* Gharali & Evenhuis, 2017a: 240. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaearctic**: Iran.

**zygophrys**

*Cyrtosia zygophrys* Evenhuis, 2009 722. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

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**Genus PLATYPYGUS Loew**

**PLATYPYGUS** Loew, 1844: 127. Type species: *Platypygus chrysanthemi* Loew, 1844, by monotypy.

*Popsia* Costa, 1863: 52. Type species: *Popsia ridibundus* Costa, 1863, by monotypy.

**americanus**

*Platypygus americanus* Melander, 1950a: 140. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**bellus**

*Platypygus bellus* Loew, 1869: 251. TYPE LOCALITY: Russia [1S in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Egypt, Greece, Gruzia, Hungary, Russia, Turkey.

**chrysanthemi**

*Platypygus chrysanthemi* Loew, 1844: 127. TYPE LOCALITY: Greece (Rhodes) & “In-seln des griechischen Archipels” [4S in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Egypt, Greece (incl. Rhodes), Israel, Italy (incl. Sicily), Jordan, Lebanon, Serbia, Syria, Turkey.

**emoji**

*Platypygus emoji* Evenhuis, 2019d: 271. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**ibericus**

*Platypygus ibericus* Dils & Gharali, 2018: 113. TYPE LOCALITY: Portugal [H in KBIN].

DISTRIBUTION: **Palaearctic**: Portugal.

**kassanovskiji**

*Platypygus kassanovskiji* Hull, 1973: 262. *Nomen nudum*.

**kurdorum**

*Platypygus kurdorum* Paramonov, 1929: 157, 158, 159(221, 222, 223). TYPE LOCALITY: Turkey [H in DEI\*].

*Platypygus kurdorum* var. *persicus* Paramonov, 1934: 18. TYPE LOCALITY: “Persien” [= Iran] [L designated by Zaitzev & Kandybina (1983: 32) in ZIS].

DISTRIBUTION: **Palaearctic**: Iran, Israel, Jordan, Syria, Turkey.

**lativentris**

*Platypygus lativentris* Loew, 1873: 202. TYPE LOCALITY: Tajikistan [1S in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Tajikistan, Uzbekistan.

**limatus**

*Platypygus limatus* Séguy, 1963: 254. TYPE LOCALITY: “Paita” [= China (Hebei)] [H in MNHN].

DISTRIBUTION: **Oriental**: Nepal, Thailand. **Palaearctic**: China (Hebei).

**melinoproctus**

*Platypygus melinoproctus* Loew, 1873: 203. TYPE LOCALITY: “Fan” [= Tajikistan] [5S in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Iran, Italy, Lebanon, Syria, Tajikistan, Turkmenistan.

**natalensis**

*Platypygus natalensis* Hesse, 1967: 97. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

**pumilio**

*Platypygus pumilio* Loew, 1873: 204. TYPE LOCALITY: Uzbekistan [6S in ZMHB\*].

DISTRIBUTION: **Palaearctic**: Greece, Tajikistan, Turkmenistan, Uzbekistan.

**ridibundus**

*Popsia ridibundus* Costa, 1863: 52. TYPE LOCALITY: Not given [= Italy] [T in MZUN].

*Platypygus tauricus* Paramonov, 1926: 88. TYPE LOCALITY: “Krym” [= Ukraine] [37S in ZMHB\*; 3S in SIZK].

DISTRIBUTION: **Palaearctic**: Armenia, Azerbaijan, Bulgaria, Croatia, Cyprus, Egypt, France, Greece, Gruzia, Israel, Italy, Portugal, Romania, Russia, Slovenia, Spain, Ukraine.

**titanomedeae**

*Platypygus titanomedeae* Gharali & Evenhuis in Gharali, Evenhuis, Kamali & Talebi, 2011: 27. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran, Jordan, Turkey.

**turkmenorum**

*Platypygus turkmenorum* Paramonov, 1929: 145(209). TYPE LOCALITY: Turkmenistan [1S in ZMHB\*; 1S in SIZK].

*Platypygus turkmenoricum*: Evenhuis (2002d: 84) (incorrect spelling of *turkmenorum*).

DISTRIBUTION: **Palaearctic**: Turkmenistan, Uzbekistan.

**yellibeli**

*Platypygus yellibeli* Dils & Gharali, 2018: 116. TYPE LOCALITY: Turkey [H in KBIN].

DISTRIBUTION: **Palaearctic**: Turkey.

## Subfamily GLABELLULINAE Cockerell

### Genus DOLIOPTERYX Hesse

*Doliopteryx* Hesse, 1938: 39, 968. *Nomen nudum*.

*Doliopteryx* Melander, 1946: 454. *Nomen nudum*.

*Doliopteryx* Hesse, 1956a: 15. *Nomen nudum*.

**DOLIOPTERYX** Hesse, 1956b: 936. Type species: *Doliopteryx crocea* Hesse, 1956, by original designation.

#### **acuminatis**

*Doliopteryx acuminatis* Gharali, Moghbeli & Evenhuis, 2023: 26. TYPE LOCALITY: Iran [H in HMIM\*].

DISTRIBUTION: **Palaearctic**: Iran.

#### **arava**

*Doliopteryx arava* Evenhuis, 2000: 121. TYPE LOCALITY: Israel [H in TAU\*].

DISTRIBUTION: **Palaearctic**: Israel.

#### **crocea**

*Doliopteryx crocea* Hesse, 1956b: 938. TYPE LOCALITY: Namibia [L designated by Evenhuis (1993: 95) in BMNH\*].

DISTRIBUTION: **Afrotropical**: Namibia.

#### **diamondis**

*Doliopteryx diamondis* Evenhuis, 2000: 124. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

#### **dichroma**

*Doliopteryx dichroma* Evenhuis, 2000: 125. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

#### **ecphata**

*Doliopteryx ecphata* Evenhuis, 2000: 127. TYPE LOCALITY: Namibia [H in NMNW\*].

DISTRIBUTION: **Afrotropical**: Namibia.

#### **fratris**

*Doliopteryx fratris* Gharali & Evenhuis, 2017b: 397. TYPE LOCALITY: Iran [H in HMIM].

DISTRIBUTION: **Palaearctic**: Iran.

#### **nigrescens**

*Doliopteryx nigrescens* Hesse, 1956b: 940. TYPE LOCALITY: Namibia [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Namibia.

#### **nodahaki**

*Doliopteryx nodahaki* Gharali & Evenhuis, 2017b: 397. TYPE LOCALITY: Iran [H in HMIM].

DISTRIBUTION: **Palaearctic**: Iran.

#### **omanae**

*Doliopteryx omanae* Evenhuis, 2000: 129. TYPE LOCALITY: Oman [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Oman.

#### **palaestinensis**

*Doliopteryx palaestinensis* Evenhuis & Theodor *in* Evenhuis, 2000: 129. TYPE LOCALITY: Israel [H in TAU\*].

DISTRIBUTION: **Afrotropical**: UAE. **Palaearctic**: ?Egypt, Israel.

**pallida**

*Dolioleteryx pallida* Evenhuis, 2000: 131. TYPE LOCALITY: Zimbabwe [H in NMSA\*].  
DISTRIBUTION: **Afrotropical**: Zimbabwe.

**splendida**

*Dolioleteryx splendida* Evenhuis, 2000: 132. TYPE LOCALITY: Namibia [H in NMNW\*].  
DISTRIBUTION: **Afrotropical**: Namibia.

**tigrina**

*Dolioleteryx tigrina* Evenhuis, 2000: 133. TYPE LOCALITY: South Africa (Northern Cape) [H in NMSA\*].  
DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**welwitschia**

*Dolioleteryx welwitschia* Evenhuis, 2000: 133. TYPE LOCALITY: Namibia [H in NMNW\*].  
DISTRIBUTION: **Afrotropical**: Namibia.

**xanthinon**

*Dolioleteryx xanthinon* Evenhuis & Gharali, 2020: 17. TYPE LOCALITY: UAE [H in NMWC\*].  
DISTRIBUTION: **Afrotropical**: UAE.

**Genus EURODOLIOPTERYX Nel**

**EURODOLIOPTERYX**† Nel, 2006: 112. Type species: *Eurodolioleteryx inexpectatus* Nel, 2006, by original designation.

**inexpectatus**†

*Eurodolioleteryx inexpectatus* Nel, 2006: 112. TYPE LOCALITY: France (Le Quesnoy) [H in MNHN].  
DISTRIBUTION: **Palaeartic**: France (Eocene) [A].

**Genus GLABELLULA Bezzi**

*Platygaster* Zetterstedt, 1838: 574. Type species: *Platygaster arcticus* Zetterstedt, 1838, by monotypy. [Preoccupied by Latreille, 1809.]

*Sphaerogaster* Zetterstedt, 1842: 232 (new replacement name for *Platygaster* Zetterstedt, 1838). Type species: *Platygaster arcticus* Zetterstedt, 1838, automatic. [Not preoccupied by Sturm, 1826.]. **Nomen oblitum**.

*Glabella* Loew, 1873: 210. Type species: *Glabella femorata* Loew, 1873, by monotypy. [Preoccupied by Swainson, 1840.]

**GLABELLULA** Bezzi, 1902: 191 (new replacement name for “*Platygaster* ... und *Sphaerogaster* ... und *Glabella*”). Type species: *Platygaster arcticus* Zetterstedt, 1838, by subsequent designation (I.C.Z.N., 1989: 148). [Name valid by I.C.Z.N. Code Article 23.9.2.]. **Nomen protectum**.

*Pachyneres* Greene, 1924: 62. Type species: *Pachyneres crassicornis* Greene, 1924, by monotypy.

*Proglabellula*† Hennig, 1966: 15. Type species: *Proglabellula electrica* Hennig, 1966, by monotypy.

**aggregata**†

*Glabellula aggregata* Evenhuis, 2013: 372. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK\*].

*Glabellula interrupta*: Evenhuis (2013: 379; incorrect original spelling of *aggregata*).  
DISTRIBUTION: **Palaeartic**: Ukraine (Eocene) [A].



**antioquensis**

*Glabellula antioquensis* Ramos-Pastrana, Córdoba & Evenhuis, 2023a: 559. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

**arctica**

*Platygaster arcticus* Zetterstedt, 1837: 34. *Nomen nudum*.

*Platygaster arctica* Zetterstedt, 1838: 574. TYPE LOCALITY: Sweden [T in MZLU].

DISTRIBUTION: **Palaeartic**: Czech Republic, Denmark, Finland, Netherlands, Norway, Poland, Russia, Slovakia, Sweden, Switzerland.

**australis**

*Pachyneres australis* Malloch, 1924: 205. TYPE LOCALITY: Australia (NSW) [H in AMS\*].

DISTRIBUTION: **Australasian**: Australia (ACT, NSW, Qld, Tas, WA).

**binotata**

*Glabellula binotata* Hall & Evenhuis, 1984: 314. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona); Mexico.

**brunnifrons**†

*Glabellula brunnifrons* Evenhuis, 2002e: 3. TYPE LOCALITY: Dominican Republic [H in AMNH\*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

**canariensis**

*Glabellula canariensis* Frey, 1937: 47. TYPE LOCALITY: Canary Is [H in MZHF].

DISTRIBUTION: **Palaeartic**: Canary Is.

**catiapatuiuae**

*Glabellula catiapatuiuae* Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 207.

TYPE LOCALITY: Brazil (Maranhão) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

**crassicornis**

*Pachyneres crassicornis* Greene, 1924: 62. TYPE LOCALITY: USA(DC) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Canada, USA (DC, Idaho, Maryland, Michigan, Montana, New Hampshire, Pennsylvania).

**electrica**†

*Proglabellula electrica* Hennig, 1966: 16. TYPE LOCALITY: Baltic (Eocene) [H in ZMUC\*].

DISTRIBUTION: **Palaeartic**: Baltic (Eocene) [A].

**fasciata**

*Glabellula fasciata* Melander, 1950a: 143. TYPE LOCALITY: USA (Washington) [H in USNM\*].

*Glabellula nanella* Melander, 1950a: 144. TYPE LOCALITY: USA (California) [H in USNM\*].

*Glabellula pumila* Melander, 1950a: 144. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Montana, Washington).

**femorata**

*Glabella femorata* Loew, 1873: 208. TYPE LOCALITY: “Utinata” [= Kazakhstan] [H (lost?) in ZMHB].

DISTRIBUTION: **Palaeartic**: ?Egypt, Kazakhstan, Turkmenistan, Uzbekistan.

**fumipennis**

*Glabellula fumipennis* Hall & Evenhuis, 1984: 318. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**grimaldii†**

*Glabellula grimaldii* Evenhuis, 2002e: 5. TYPE LOCALITY: Dominican Republic [H in AMNH\*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

**hannemanni†**

*Glabellula hannemanni* Schumann, 1991: 79. TYPE LOCALITY: Germany [H in ZMHB (lost after examination)\*].

DISTRIBUTION: **Palaeartic**: Germany (Miocene) [A].

**hospes**

*Glabellula hospes* Evenhuis, 2022b: 3. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**humeralis**

*Glabellula humeralis* Gharali & Evenhuis, 2011a: 114. TYPE LOCALITY: Iran [H in BPBM].

DISTRIBUTION: **Palaeartic**: Iran.

**kuehnei†**

*Glabellula kuehnei* Schlüter, 1976: 358. TYPE LOCALITY: Dominican Republic [H in ZMFU\*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

**madagascarensis**

*Glabellula madagascarensis* Evenhuis, 2022b: 7. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**maroccana**

*Glabellula maroccana* Evenhuis & Kettani, 2018: 349. TYPE LOCALITY: Morocco [H in MNHNR\*].

DISTRIBUTION: **Palaeartic**: Morocco.

**meridionalis**

*Glabellula meridionalis* François, 1955: 1. TYPE LOCALITY: Greece [H in KBIN].

DISTRIBUTION: **Palaeartic**: Greece, Italy.

**metatarsalis**

*Glabellula metatarsalis* Melander, 1950a: 143. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**natalensis**

*Glabellula natalensis* Hesse, 1967: 106. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal), Zimbabwe.

**nobilis**

*Glabellula nobilis* Kertész, 1912: 638. TYPE LOCALITY: “Bashara-Su” [= Syria] [H (destroyed) in HNHM].

DISTRIBUTION: **Palaeartic**: Israel, Syria, Turkey.

**palaestinensis**

*Glabellula nobilis* var. *palaestinensis* Engel, 1933: 119. TYPE LOCALITY: Israel [3S in SMNS].

DISTRIBUTION: **Palaearctic**: Israel.

**perkovskyi†**

*Glabellula perkovskyi* Evenhuis, 2013: 375. TYPE LOCALITY: Ukraine (Rovno) [H in SIZK\*].

DISTRIBUTION: **Palaearctic**: Ukraine (Eocene) [A].

**pinyonicola**

*Glabellula pinyonicola* Edwards, 1988: 314. *Nomen nudum*.

**rafaelae**

*Glabellula rafaellae* Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 209. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí, Roraima).

**rotundipennis**

*Glabellula rotundipennis* Melander, 1950b: 145. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**sarahae**

*Glabellula sarahae* Mendes, Evenhuis, Limeira-de-Oliveira & Lamas, 2022: 211. TYPE LOCALITY: Brazil (Goiás) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Goiás).

**sufflava**

*Glabellula sufflava* François, 1969: 120. TYPE LOCALITY: Spain [H in CNC\*].

DISTRIBUTION: **Palaearctic**: Spain (incl. Balearic Is).

**tagos**

*Glabellula tagos* Evenhuis, 2019a: 7. TYPE LOCALITY: Australia (WA) [H in ANIC\*].

DISTRIBUTION: **Australasian**: Australia (WA).

**thespia**

*Glabellula thespia* Evenhuis, 2009: 718. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**unicolor**

*Glabellula unicolor* Strobl, 1910: 55. TYPE LOCALITY: Austria [H in NMBA].

DISTRIBUTION: **Palaearctic**: Austria, Italy, Switzerland.

**vibex**

*Glabellula vibex* Evenhuis, 2022b: 11. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**whartoni**

*Glabellula whartoni* Evenhuis, 2019a: 8. TYPE LOCALITY: Australia (WA) [H in CAS\*].

DISTRIBUTION: **Australasian**: Australia (WA).

**yemeni**

*Glabellula yemeni* Evenhuis & Gharali, 2020: 21. TYPE LOCALITY: Yemen [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Yemen.

**Genus GLELLA Greathead & Evenhuis**

**GLELLA** Greathead & Evenhuis, 2001b: 121. Type species: *Glabellula quebradae* Hall, 1976, by original designation.

**ashleyi**

*Glella ashleyi* Greathead & Evenhuis, 2001b: 122. TYPE LOCALITY: Namibia [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**quebradae**

*Glabellula quebradae* Hall, 1976: 86. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**Genus MNEMOMYIA Bowden**

**MNEMOMYIA** Bowden, 1975b: 308. Type species: *Mnemomyia rostrata* Bowden, 1975, by original designation.

**mellea**

*Glabellula mellea* Bezzi, 1908: 180. TYPE LOCALITY: South Africa (Northern Cape) [H in ZMHB\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Northern Cape).

**rostrata**

*Mnemomyia rostrata* Bowden, 1975b: 309. TYPE LOCALITY: South Africa (Western Cape) [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

## Subfamily EMPIDIDEICINAE Hull

### Genus EMPIDIDEICUS Becker

**EMPIDIDEICUS** Becker, 1907: 97. Type species: *Empidideicus carthaginiensis* Becker, 1907, by monotypy.

*Aetheoptilus* Hesse, 1967: 112 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus zuluensis* Hesse, 1967, by original designation.

*Aethioptilus*: Hull (1973: 265, 271, 272) (incorrect spelling of *Aetheoptilus*).

### Subgenus ANOMALOPTILUS Hesse

**ANOMALOPTILUS** Hesse, 1938: 983 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus celluliferus* Hesse, 1938, by monotypy.

#### **andriambahomananii**

*Empidideicus andriambahomananii* Evenhuis & Gharali, 2022: 404. TYPE LOCALITY: Madagascar [H in USNM\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

#### **atomus**

*Anomaloptilus atomus* Frey, 1958a: 15. TYPE LOCALITY: Canary Is [H in MZHF].

DISTRIBUTION: **Palaearctic**: Canary Is.

#### **basutoensis**

*Empidideicus basutoensis* Hesse, 1967: 109. TYPE LOCALITY: Lesotho [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: Lesotho.

#### **brevistilus**

*Empidideicus brevistilus* Hesse, 1967: 111. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).

#### **celluliferus**

*Empidideicus celluliferus* Hesse, 1938: 983. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 94) in BMNH\*].

DISTRIBUTION: **Afrotropical**: Botswana, Lesotho, Namibia, South Africa (Western Cape).

#### **cnecotoichus**

*Empidideicus cnecotoichus* Evenhuis, 2009: 728. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

#### **completus**

*Empidideicus completus* Bezzi, 1926: 254. TYPE LOCALITY: “d’Assab” [= Eritrea] [T (destroyed) in HNHN\*].

DISTRIBUTION: **Afrotropical**: Eritrea.

#### **contrasticus**

*Empidideicus contrasticus* Evenhuis & Gharali, 2022: 407. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

#### **hauseri**

*Empidideicus hauseri* Evenhuis & Gharali, 2022: 408. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**irwini**

*Empidideicus irwini* Evenhuis & Gharali, 2022: 410. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**nanus**

*Empidideicus nanus* Evenhuis & Gharali, 2022: 412. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**notatus**

*Empidideicus notatus* Hesse, 1967: 108. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 98) in SAMC\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

**regius**

*Empidideicus regius* Evenhuis & Gharali, 2022: 413. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**rhinoclypeatus**

*Empidideicus rhinoclypeatus* Evenhuis, 2007: 56. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**rinhai**

*Empidideicus rinhai* Evenhuis & Gharali, 2022: 418. TYPE LOCALITY: Madagascar [H in CAS\*].

DISTRIBUTION: **Afrotropical**: Madagascar.

**sugonjaevi**

*Empidideicus sugonjaevi* Zaitzev, 1971: 893. TYPE LOCALITY: Kazakhstan [H in ZIS].

DISTRIBUTION: **Palearctic**: Kazakhstan, Kirghizstan, Tajikistan.

**turkestanicus**

*Empidideicus turkestanicus* Paramonov, 1934: 17, 19 [1947: 88]. TYPE LOCALITY: Not given [= Uzbekistan] [1S in SIZK].

DISTRIBUTION: **Palearctic**: Mongolia, Uzbekistan.

**Subgenus CYRTOIDES Engel**

**CYRTOIDES** Engel, 1933: 102 (as subgenus of *Empidideicus* Becker). Type species: *Empidideicus efflatouni* Engel, 1933, by monotypy.

*Ecliptica* Engel, 1933: 103 (as genus). Unavailable name; name proposed in synonymy with *Cyrtoides* and not made available before 1961.

**efflatouni**

*Empidideicus efflatouni* Engel, 1933: 102. TYPE LOCALITY: Egypt [1S in CUE, 8S in ESEC].

DISTRIBUTION: **Afrotropical**: Sudan. **Palearctic**: Egypt, Israel, Libya.

**pissinulus**

*Empidideicus pissinulus* Evenhuis, 2009: 733. TYPE LOCALITY: UAE [H in NMWC\*]  
*Empidideicus psssinulus*: Evenhuis (2009: 734; incorrect original spelling of *pissinulus*).

DISTRIBUTION: **Afrotropical**: UAE.

**psephenyps**

*Empidideicus psephenyps* Evenhuis, 2009: 737. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

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**Subgenus EMPIDIDEICUS Becker****amicus**

*Empidideicus amicus* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 2. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran

**anahoraticus**

*Empidideicus anahoraticus* Evenhuis, 2009: 730. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**asiaticus**

*Empidideicus asiaticus* Zaitzev, 1971: 893. TYPE LOCALITY: Uzbekistan [H in ZIS].

DISTRIBUTION: **Palaearctic**: Tajikistan, Turkmenistan, Uzbekistan.

**aurantiacus**

*Empidideicus aurantiacus* Gharali & Evenhuis in Gharali, Evenhuis & Lotfalizadeh, 2011: 115. TYPE LOCALITY: Iran [H in ZMHB].

DISTRIBUTION: **Palaearctic**: Iran

**blascoi**

*Empidideicus blascoi* Evenhuis, Almeida & Andrade, 2023: 4. TYPE LOCALITY: Portugal [H in NHMM\*].

DISTRIBUTION: **Palaearctic**: Morocco, Portugal, Spain.

**carrapateira**

*Empidideicus carrapateira* Evenhuis, Almeida & Andrade, 2023: 7. TYPE LOCALITY: Portugal [H in BPBM\*].

DISTRIBUTION: **Palaearctic**: Portugal.

**carthaginiensis**

*Empidideicus carthaginiensis* Becker, 1907: 97. TYPE LOCALITY: “Sfax” [= Tunisia] [T in UNKN].

DISTRIBUTION: **Afrotropical**: Sudan. **Palaearctic**: Algeria, Egypt, Israel, Tunisia.

**chalepoblepsis**

*Empidideicus chalepoblepsis* Evenhuis, 2009: 729. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**citridomus**

*Empidideicus citridomus* Gharali, Majnon Jahromi & Evenhuis, 2015: 30. TYPE LOCALITY: Iran [H in BPBM].

DISTRIBUTION: **Palaearctic**: Iran

**crocea**

*Cyrtosia crocea* Séguy, 1949b: 155. TYPE LOCALITY: Morocco [3S in MNHN\*].

DISTRIBUTION: **Palaearctic**: Morocco.

**ebellicus**

*Empidideicus ebellicus* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 5. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran

**evenhuisi**

*Empidideicus evenhuisi* Evenhuis, 2023a: 20. TYPE LOCALITY: Portugal [H in NHMM\*].

DISTRIBUTION: **Palaearctic**: Morocco, Portugal, Spain.

**formosus**

*Empidideicus formosus* Hakimian, Talebi & Gharali in Hakimian, Talebi, Gharali & Evenhuis, 2014: 258. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran

**freyi**

*Empidideicus freyi* Greathead, 1986: 86. TYPE LOCALITY: Cape Verde Is [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: Cape Verde Is. **Palaearctic**: Portugal, Morocco, Spain.

**greatheadi**

*Empidideicus greatheadi* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 8. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran

**griseus**

*Empidideicus griseus* Zaitzev, 1972: 856. TYPE LOCALITY: Mongolia [H in ZIS].

DISTRIBUTION: **Palaearctic**: Mongolia.

**hackmani**

*Empidideicus hackmani* François, 1969: 113. TYPE LOCALITY: Spain [H in CNC\*].

DISTRIBUTION: **Palaearctic**: France, Morocco, Portugal, Spain.

**hispanus**

*Empidideicus hispanus* François, 1969: 112. TYPE LOCALITY: Spain [H in ZUMC\*].

DISTRIBUTION: **Palaearctic**: Spain.

**hungaricus**

*Empidideicus hungaricus* Thalhammer, 1911: 388. TYPE LOCALITY: Hungary [2S (destroyed) in HHNM].

DISTRIBUTION: **Palaearctic**: France (Corsica), Hungary, Italy, Malta, Ukraine.

**inesae**

*Empidideicus inesae* Evenhuis, Almeida & Andrade, 2023: 18. TYPE LOCALITY: Portugal [H in BPBM\*].

DISTRIBUTION: **Palaearctic**: Portugal.

**insularis**

*Empidideicus insularis* Frey, 1958b: 10. TYPE LOCALITY: Cape Verde Is [2S in MZHF].

DISTRIBUTION: **Afrotropical**: Cape Verde Is.

**jirofti**

*Empidideicus jirofti* Gharali, Moghbeli & Fekrat, 2020: 353. TYPE LOCALITY: Iran [H in MTD].

DISTRIBUTION: **Palaearctic**: Iran.

**legulicoxa**

*Empidideicus legulicoxa* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 10. TYPE LOCALITY: Iran [H in BPBM\*].

DISTRIBUTION: **Palaearctic**: Iran.

**mariouti**

*Empidideicus mariouti* Efflatoun, 1945: 32. TYPE LOCALITY: Egypt [1S in CUE; 3S (1 lost) in ESEC].

DISTRIBUTION: **Palaearctic**: Egypt.

**matricarius**

*Empidideicus matricarius* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 11. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaearctic**: Iran.



**pallidifacies**

*Empidideicus pallidifacies* Evenhuis, Almeida & Andrade, 2023: 20. TYPE LOCALITY: Portugal [H in BPBM\*].

DISTRIBUTION: **Palaeartic**: Portugal.

**parvus**

*Empidideicus parvus* Evenhuis, 2009: 730. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**pentagonius**

*Empidideicus pentagonius* Yao & Chen, 2019: 67. TYPE LOCALITY: China (Yunnan) [H in CAU].

DISTRIBUTION: **Oriental**: China (Yunnan)

**persicus**

*Empidideicus persicus* Gharali & Evenhuis in Gharali, Kamali, Evenhuis, Talebi & Khalgani, 2010: 14. TYPE LOCALITY: Iran [H in TMUC].

DISTRIBUTION: **Palaeartic**: Iran

**pollostus**

*Empidideicus pollostus* Evenhuis, 2009: 736. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**socotrae**

*Empidideicus socotrae* Greathead & Evenhuis, 2001a: 3. TYPE LOCALITY: Yemen (Sokotra) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

**turneri**

*Empidideicus turneri* Hesse, 1938: 982. TYPE LOCALITY: South Africa (Western Cape) [H in BMNH\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**unicus**

*Empidideicus unicus* Gharali & Evenhuis in Gharali, Evenhuis & Lotfalizadeh, 2011: 117. TYPE LOCALITY: Iran [H in IRIPP].

DISTRIBUTION: **Palaeartic**: Iran

**vanharteni**

*Empidideicus vanharteni* Evenhuis, 2009: 739. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

**variegatus**

*Empidideicus variegatus* Greathead & Evenhuis, 2001a: 4. TYPE LOCALITY: Yemen (Sokotra) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: Yemen (Sokotra).

**zoyphus**

*Empidideicus zoyphus* Deeming, 1973: 64. *Nomen nudum*.

**zuluensis**

*Empidideicus zuluensis* Hesse, 1967: 113. TYPE LOCALITY: South Africa (KwaZulu-Natal) [H in NMSA\*].

DISTRIBUTION: **Afrotropical**: South Africa (KwaZulu-Natal).



## Subfamily LEYLAIYINAE Greathead & Evenhuis

### Genus LEYLAIYA Eflatoun

**LEYLAIYA** Eflatoun, 1945: 21. Type species: *Leylaiya minnermia* Eflatoun, 1945, by original designation.

*Euanthobates* Hesse, 1965: 482. Type species: *Euanthobates pectinigulus* Hesse, 1965, by original designation.

*Acoecus* Hull, 1973: 265, 276 (as subgenus of *Euanthobates* Hesse). Type species: *Euanthobates mellivorus* Hesse, 1967, by original designation.

#### **apostibes**

*Leylaiya apostibes* Evenhuis, 2009: 716. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

#### **aquilonia**

*Leylaiya aquilonia* Gharali & Evenhuis, 2011: 205. TYPE LOCALITY: Iran [H in IRIPP].

DISTRIBUTION: **Afrotropical**: Oman, UAE. **Palearctic**: Iran, Iraq.

#### **citrina**

*Leylaiya citrina* Evenhuis & Gharali, 2020: 3. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Oman, UAE.

#### **deemingi**

*Leylaiya deemingi* Evenhuis & Gharali, 2020: 9. TYPE LOCALITY: Oman [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: Oman.

#### **gharalii**

*Leylaiya gharalii* Evenhuis in Evenhuis & Gharali, 2020: 11. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

#### **medioccipitalis**

*Leylaiya medioccipitalis* Evenhuis & Gharali, 2020: 13. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE. **Oriental**: India (Rajasthan).

#### **mellivora**

*Euanthobates mellivorus* Hesse, 1967: 117. TYPE LOCALITY: South Africa (Western Cape) [L designated by Evenhuis (1993: 96) in SAMC\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

#### **mimnermia**

*Leylaiya mimnermia* Eflatoun, 1945: 23. TYPE LOCALITY: Egypt [4S in CUE\*; 4S in ESEC].

DISTRIBUTION: **Afrotropical**: Oman. **Palearctic**: Egypt, Israel.

#### **ochreata**

*Leylaiya ochreata* Evenhuis & Gharali, 2020: 14. TYPE LOCALITY: UAE [H in NMWC\*].

DISTRIBUTION: **Afrotropical**: UAE.

#### **pectinigula**

*Euanthobates pectinigulus* Hesse, 1965: 483. TYPE LOCALITY: Namibia [H in MZLU\*].

DISTRIBUTION: **Afrotropical**: Namibia.

**pellea**

*Leylaiya pellea* Evenhuis & Kettani, 2018: 349. TYPE LOCALITY: Morocco [H in MNHNR\*].

DISTRIBUTION: **Palaearctic**: Morocco.

**whiteheadi**

*Leylaiya whiteheadi* Greathead & Evenhuis, 2001b: 124. TYPE LOCALITY: South Africa (Northern Cape) [H in SAMC\*].

DISTRIBUTION: **Afrotropical**: South Africa (Northern Cape).

**Genus PSEUDOGLABELLULA Hesse**

**PSEUDOGLABELLULA** Hesse, 1967: 118. Type species: *Pseudoglabellula meridionalis* Hesse, 1967, by original designation.

**meridionalis**

*Pseudoglabellula meridionalis* Hesse, 1967: 120. TYPE LOCALITY: South Africa (Western Cape) [H in SAMC\*].

DISTRIBUTION: **Afrotropical**: Namibia, South Africa (Western Cape).

## Subfamily MYTHICOMYIINAE Melander

### Genus MITINHA Rafael & Limeira-de-Oliveira

**MITINHA** Rafael & Limeira-de-Oliveira, 2014: 592. Type species: *Mitinha neri* Rafael & Limeira-de-Oliveira, 2014, by original designation

#### **neri**

*Mitinha neri* Rafael & Limeira-de-Oliveira, 2014: 592. TYPE LOCALITY: Brazil (Piauí) [H in CZMA\*].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

### Genus MYTHENTELES Hall & Evenhuis

*Cladella* Hull, 1973: 273. *Nomen nudum*.

**MYTHENTELES** Hall & Evenhuis, 1986: 332 (as subgenus of *Mythicomya* Coquillett).

Type species: *Mythicomya mutabilis* Melander, 1961 [= *Empidideicus propleuralis* Melander, 1946], by original designation.

*Cladella* Hall & Evenhuis, 1987: 619. Type species: *Empidideicus propleuralis* Melander, 1946, by original designation.

#### **andalusica**

*Mythenteles andalusica* Gibbs, 2007: 64. TYPE LOCALITY: Spain [H in NMWC].

DISTRIBUTION: **Palaearctic**: Spain.

#### **baltica**<sup>†</sup>

*Mythenteles baltica* Evenhuis, 2002e: 9. TYPE LOCALITY: Baltic Region [H in MHNN\*].

DISTRIBUTION: **Palaearctic**: Baltic Region (Miocene) [A].

#### **coptopheles**

*Mythenteles coptopheles* Evenhuis, 2003: 8. Type locality: Israel [H in TAU\*].

DISTRIBUTION: **Palaearctic**: Israel.

#### **deemingi**

*Mythenteles deemingi* Evenhuis, 2003: 10. TYPE LOCALITY: Cyprus [H in MHNG\*].

DISTRIBUTION: **Palaearctic**: Cyprus.

#### **freidbergi**

*Mythenteles freidbergi* Evenhuis, 2003: 12. TYPE LOCALITY: Israel [H in TAU\*].

DISTRIBUTION: **Palaearctic**: Israel.

#### **hellenicae**

*Mythenteles hellenicae* Evenhuis, 2003: 13. TYPE LOCALITY: Greece [H in MZLU\*].

DISTRIBUTION: **Palaearctic**: Greece.

#### **hispanicola**

*Mythenteles hispanicola* Evenhuis, 2003: 14. TYPE LOCALITY: Spain [H in BPBM\*].

DISTRIBUTION: **Palaearctic**: Spain.

#### **indica**

*Empidideicus indicus* Brunetti, 1917: 77. TYPE LOCALITY: India (Himachal Pradesh) [L designated by Evenhuis (2003: 17) in ZSI].

DISTRIBUTION: **Oriental**: India (Himachal Pradesh).

#### **infrequens**

*Mythenteles infrequens* Evenhuis & Blasco-Zumeta in Evenhuis, 2003: 18. TYPE LOCALITY: Spain [H in BPBM\*].

DISTRIBUTION: **Palaearctic**: Spain.

**propleuralis**

*Empidideicus propleuralis* Melander, 1946: 458. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 629) in USNM\*].

*Mythicomyia mutabilis* Melander, 1961: 229. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**rameli**

*Mythenteles rameli* Gibbs, 2009: 51. TYPE LOCALITY: Greece [H in NMWC].

DISTRIBUTION: **Palaeartic**: Greece.

**signifera**

*Mythenteles signifera* Evenhuis & Kettani, 2018: 352. TYPE LOCALITY: Morocco [H in MNHNR\*].

DISTRIBUTION: **Palaeartic**: Morocco.

**silus**

*Mythenteles silus* Evenhuis, 2003: 23. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada); Mexico (Baja California).

**wadimurri**

*Mythenteles wadimurri* Evenhuis & Theodor *in* Evenhuis, 2003: 25. TYPE LOCALITY: Israel [H in TAU\*].

DISTRIBUTION: **Palaeartic**: Israel, Palestine.

**Genus MYTHICOMYIA Coquillett**

**MYTHICOMYIA** Coquillett, 1893: 209. Type species: *Mythicomyia rileyi* Coquillett, 1893, by monotypy.

*Mythiocomyia*: Coquillett, 1893: 209 (incorrect original spelling of *Mythicomyia* Coquillett).

**Subgenus HETERHYBOS Brèthes**

**HETERHYBOS** Brèthes, 1919: 40 (as genus). Type species: *Heterhybos hyalipennis* Brèthes, 1919, by original designation.

*Mythastrabes* Hall & Evenhuis, 1986: 340. Type species *Mythicomyia antecessor* Melander, 1961, by original designation.

**actoni**

*Mythicomyia actoni* Hall & Evenhuis, 1986: 341. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**agilis**

*Mythicomyia agilis* Melander, 1961: 180. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**antecessor**

*Mythicomyia antecessor* Melander, 1961: 182. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomyia aureola* Melander, 1961: 187. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomyia aureola* var. *flavida* Melander, 1961: 187. Unavailable name; varietal name proposed after 1960.

*Mythicomymia hoplites* Melander, 1961: 212. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia murina* Melander, 1961: 229. TYPE LOCALITY: USA (California) [H in UCR\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California).

**atra**

*Mythicomymia atra* Cresson, 1915: 456. TYPE LOCALITY: USA (New Mexico) [H in ANSP\*].

DISTRIBUTION: **Nearctic**: Mexico (Hidalgo, Nuevo León), USA (Arizona, California, Colorado, Idaho, New Mexico, Oregon, Texas, Utah).

**auletris**

*Mythicomymia auletris* Melander, 1961: 186. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora).

**aurifera**

*Mythicomymia aurifera* Melander, 1961: 187. TYPE LOCALITY: USA (California) [H in CAS\*].

*Mythicomymia formosa* Melander, 1961: 206. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**bella**

*Mythicomymia cala* var. *bella* Melander, 1961: 191. Unavailable name; varietal name proposed after 1960.

*Mythicomymia bella* Hall & Evenhuis, 1986: 354. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**bianca**

*Mythicomymia bianca* Tabet, 1979: 112, 115. *Nomen nudum*.

*Mythicomymia bianca* Tabet in Hall & Evenhuis, 1986: 341 [Tabet, 2001: 58]. TYPE LOCALITY: USA (Idaho) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Idaho).

**bilobata**

*Mythicomymia bilobata* Ramos-Pastrana, Rojas-Portilla & Evenhuis, 2024: 542. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

**binotata**

*Mythicomymia scutellata* var. *binotata* Melander, 1961: 251. Unavailable name; varietal name proposed after 1960.

*Mythicomymia binotata* Hall & Evenhuis, 1986: 356. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

**bivulneris**

*Mythicomymia bivulneris* Melander, 1961: 190. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**brachytis**

*Mythicomymia brachytis* Hall, 1976: 77. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**callima**

*Mythicomymia callima* Melander, 1961: 193. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada).

**citrina**

*Mythicomymia citrina* Hall, 1976: 78. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**collina**

*Cyrtoma collina* Philippi, 1866: 768. TYPE LOCALITY: Chile [T (lost?) in MNNC].

*Mythicomymia melania* Hall, 1976: 82. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**compta**

*Mythicomymia compta* Melander, 1961: 197. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**concinna**

*Mythicomymia concinna* Melander, 1961: 198. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**diasema**

*Mythicomymia diasema* Hall, 1976: 79. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**diropeda**

*Mythicomymia diropeda* Melander, 1961: 202. TYPE LOCALITY: USA (California) [L designated by Arnaud & Lee in Arnaud (1979: 219) in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**discreta**

*Mythicomymia discreta* Hall & Evenhuis, 1986: 368. TYPE LOCALITY: USA(California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**enoria**

*Mythicomymia enoria* Melander, 1961: 203. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**flavipes**

*Mythicomymia flavipes* Cresson, 1915: 452. TYPE LOCALITY: USA(Texas) [H in ANSP\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, New Mexico, Texas).

**frontalia**

*Mythicomymia frontalia* Melander, 1961: 206. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**fumipennis**

*Mythicomymia fumipennis* Melander, 1961: 207. TYPE LOCALITY: Mexico (Sonora) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora).

**galbea**

*Mythicomymia galbea* Melander, 1961: 208. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).



**gracilis**

*Mythicomymia gracilis* Melander, 1961: 210. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**habra**

*Mythicomymia habra* Melander, 1961: 211. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**humeralis**

*Mythicomymia humeralis* Melander, 1961: 213. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

**hyalipennis**

*Heterhybos hyalipennis* Brèthes, 1919: 40. TYPE LOCALITY: Chile [T in MACN].

DISTRIBUTION: **Neotropical**: Chile.

**hybos**

*Mythicomymia hybos* Melander, 1961: 214. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**illustris**

*Mythicomymia illustris* Melander, 1961: 215. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

*Mythicomymia fulgida* Melander, 1961: 207. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona, California).

**imbellis**

*Mythicomymia imbellis* Melander, 1961: 215. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California, Utah).

**infrequens**

*Mythicomymia infrequens* Hall & Evenhuis, 1986: 385. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**insignis**

*Mythicomymia insignis* Melander, 1961: 216. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**introrsa**

*Mythicomymia introrsa* Melander, 1961: 218. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

**irrupta**

*Mythicomymia irrupta* Melander, 1961: 218. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia laticlavata* Melander, 1961: 220. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California); USA (Arizona, California, New Mexico, Texas, Utah, Washington).

**macra**

*Mythicomymia macra* Hall, 1976: 81. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**marginata**

*Mythicomymia marginata* Melander, 1961: 222. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico, Utah).

**modesta**

*Mythicomymia modesta* Melander, 1961: 227. TYPE LOCALITY: Mexico (Sonora) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora).

**mulsea**

*Mythicomymia mulsea* Melander, 1961: 228. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

**ocreata**

*Mythicomymia ocreata* Melander, 1961: 232. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**optata**

*Mythicomymia optata* Melander, 1961: 233. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia optata* var *diloga* Melander, 1961: 234. Unavailable name; varietal name proposed after 1960.

DISTRIBUTION: **Nearctic**: Mexico (Chihuahua); USA (California, Utah).

**ornata**

*Mythicomymia ornata* Melander, 1961: 234. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**orthis**

*Mythicomymia orthis* Hall, 1976: 83. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**pallida**

*Mythicomymia pallida* Hall & Evenhuis, 1986: 400. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**pedias**

*Mythicomymia pedias* Hall & Evenhuis, 1986: 401. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**phacodes**

*Mythicomymia phacodes* Melander, 1961: 239. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**problis**

*Mythicomymia problis* Hall, 1976: 84. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**pulla**

*Mythicomymia pulla* Melander, 1961: 245. TYPE LOCALITY: USA (Nevada) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Nevada).

**pusillima**

*Mythicomymia pusillima* Edwards, 1930: 168. TYPE LOCALITY: Uruguay [H in BMNH\*].

DISTRIBUTION: **Neotropical**: Argentina, Chile, Uruguay.

**scapulata**

*Mythicomymia scapulata* Melander, 1961: 250. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

**scutellata**

*Mythicomymia scutellata* Coquillett, 1902: 102. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**spectabilis**

*Mythicomymia spectabilis* Hall & Evenhuis, 1986: 409. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona, California).

**tagax**

*Mythicomymia tagax* Melander, 1961: 253. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**texana**

*Mythicomymia texana* Hall & Evenhuis, 1986: 412. TYPE LOCALITY: USA (Texas) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Durango, Nuevo León), USA (Arizona, Texas).

**tokotaai**

*Mythicomymia tokotaai* Evenhuis, 2020a: 3. TYPE LOCALITY: Fiji [H in BPBM\*].

DISTRIBUTION: **Australasian**: Fiji.

**trepta**

*Mythicomymia trepta* Hall, 1976: 85. TYPE LOCALITY: Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**tristis**

*Mythicomymia tristis* Melander, 1961: 257. TYPE LOCALITY: USA (California) [H (lost) in USNM].

DISTRIBUTION: **Nearctic**: USA (California).

**tumescens**

*Mythicomymia tumescens* Melander, 1961: 258. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**vinaka**

*Mythicomymia vinaka* Evenhuis, 2020a: 5. TYPE LOCALITY: Fiji [H in BPBM\*].

DISTRIBUTION: **Australasian**: Fiji.

**vulnerata**

*Mythicomymia vulnerata* Melander, 1961: 261. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**Subgenus MYTHICOMYIA Coquillett****acuta**

*Mythicomomyia acuta* Melander, 1961: 179. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**annulata**

*Mythicomomyia annulata* Melander, 1961: 181. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

**anomala**

*Mythicomomyia anomala* Melander, 1961: 182. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**apricata**

*Mythicomomyia apricata* Melander, 1961: 183. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Utah, Washington).

**arizonica**

*Mythicomomyia arizonica* Hall & Evenhuis, 1986: 425. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Colorado, Texas).

**armata**

*Mythicomomyia armata* Cresson, 1915: 455. TYPE LOCALITY: USA (New Mexico) [H in ANSP\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California, Idaho, New Mexico, Washington).

**armipes**

*Mythicomomyia armipes* Cresson, 1915: 454. TYPE LOCALITY: USA (New Mexico) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

**asclepiadis**

*Mythicomomyia asclepiadis* Hall & Evenhuis, 1986: 431. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada).

**aspilota**

*Mythicomomyia crocina* var. *aspilota* Melander, 1961: 164, 200. Unavailable name; varietal name published after 1960.

*Mythicomomyia aspilota* Hall & Evenhuis, 1986: 432. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**atratella**

*Mythicomomyia atratella* Hall & Evenhuis, 1986: 434. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**bilychnis**

*Mythicomomyia bilychnis* Melander, 1961: 189. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**brevis**

*Mythicomymia brevis* Hall & Evenhuis, 1986: 439. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**brevivena**

*Mythicomymia brevivena* Tabet, 1979: 111, 118. Unavailable name; unpublished thesis.

*Mythicomymia brevivena* Tabet in Hall & Evenhuis, 1986: 440 [Tabet, 2001: 60]. TYPE LOCALITY: USA (Idaho) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Oregon).

**californica**

*Mythicomymia californica* Greene, 1924: 61. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada, Oregon).

**caligula**

*Mythicomymia caligula* Melander, 1961: 193. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**calva**

*Mythicomymia calva* Melander, 1961: 194. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico, USA (Arizona, California).

**campestris**

*Mythicomymia campestris* Hall & Evenhuis, 1986: 448. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**carptura**

*Mythicomymia carptura* Melander, 1961: 194. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon, Washington).

**cocollina**

*Mythicomymia collina* Melander, 1961: 195. TYPE LOCALITY: USA (California) [H in USNM\*]. [Preoccupied by Philippi, 1866.]

*Mythicomymia cocollina* Evenhuis, 2002d: 44 (new replacement name for *Mythicomymia collina* Melander, 1961).

DISTRIBUTION: **Nearctic**: USA (California, Colorado).

**communis**

*Mythicomymia communis* Hall & Evenhuis, 1986: 454. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**comparata**

*Mythicomymia comparata* Melander, 1961: 197. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**concrescens**

*Mythicomymia concrescens* Melander, 1961: 198. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**cressoni**

*Mythicomymia cressoni* Melander, 1961: 199. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1986: 457) in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico, Utah).

**cristata**

*Mythicomymia cristata* Melander, 1961: 199. TYPE LOCALITY: USA (Washington) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Washington).

**cruralis**

*Mythicomymia cruralis* Melander, 1961: 201. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

**curtata**

*Mythicomymia curtata* Hall & Evenhuis, 1986: 461. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**cylla**

*Mythicomymia cylla* Melander, 1961: 201. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**desertorum**

*Mythicomymia desertorum* Hall & Evenhuis, 1986: 464. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**diadela**

*Mythicomymia diadela* Melander, 1961: 201. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**dipura**

*Mythicomymia dipura* Melander, 1961: 202. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**fasciolata**

*Mythicomymia fasciolata* Melander, 1961: 204. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Utah).

**fusca**

*Mythicomymia fusca* Hall & Evenhuis, 1986: 469. TYPE LOCALITY: Mexico (Durango) [H in USNM].

DISTRIBUTION: **Nearctic**: Mexico (Coahuila de Zaragoza, Durango), USA (Arizona).

**gausa**

*Mythicomymia gausa* Melander, 1961: 208. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**gibbera**

*Mythicomymia gibbera* Melander, 1961: 210. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomyia gibba* Melander, 1961: 209. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**grandis**

*Mythicomyia grandis* Hall & Evenhuis, 1986: 475. TYPE LOCALITY: Mexico (Puebla) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Guerrero, Puebla).

**gynandra**

*Mythicomyia gynandra* Melander, 1961: 211. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

*Mythicomyia minor* Melander, 1961: 224. TYPE LOCALITY: Mexico (Sonora) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (California).

**hamata**

*Mythicomyia hamata* Melander, 1961: 211. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**hespera**

*Mythicomyia hespera* Hall & Evenhuis, 1986: 479. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (California).

**hormatha**

*Mythicomyia hormatha* Melander, 1961: 213. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, Utah).

**intermedia**

*Mythicomyia intermedia* Melander, 1961: 217. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California, Colorado, New Mexico, Utah).

**lenticularis**

*Mythicomyia lenticularis* Melander, 1961: 220. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (California).

**levigata**

*Mythicomyia levigata* Melander, 1961: 221. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**liticen**

*Mythicomyia liticen* Melander, 1961: 221. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (Arizona, California).

**litoris**

*Mythicomyia litoris* Hall & Evenhuis, 1986: 491. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**longimana**

*Mythicomymia longimana* Melander, 1961: 222. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**lucens**

*Mythicomymia minima* var. *lucens* Melander, 1961: 224. Unavailable name; varietal name proposed after 1960.

*Mythicomymia lucens* Hall & Evenhuis, 1986: 494. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**macclayi**

*Mythicomymia macclayi* Hall & Evenhuis, 1986: 495. TYPE LOCALITY: USA (California) [H in UCD\*].

DISTRIBUTION: **Nearctic**: USA (California).

**macroglossa**

*Mythicomymia macroglossa* Hall & Evenhuis, 1986: 497. TYPE LOCALITY: USA (Utah) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Utah).

**minima**

*Mythicomymia minima* Melander, 1961: 223. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**mitrata**

*Mythicomymia mitrata* Melander, 1961: 227. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**munda**

*Mythicomymia munda* Melander, 1961: 228. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California).

**nevadensis**

*Mythicomymia nevadensis* Hall & Evenhuis, 1986: 502. TYPE LOCALITY: USA (Nevada) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Nevada).

**nigricans**

*Mythicomymia nigricans* Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**nitida**

*Mythicomymia nitida* Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**nitidula**

*Mythicomymia nitidula* Melander, 1961: 231. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).



**oporina**

*Mythicomymia oporina* Melander, 1961: 232. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia bibosa* Melander, 1961: 188. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**orchestes**

*Mythicomymia orchestes* Melander, 1961: 234. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**ornatula**

*Mythicomymia ornatula* Melander, 1961: 235. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia lanculata* Tabet, 1979: 110. Incorrect original spelling of *lunulata*.

*Mythicomymia lunulata* Tabet, 1979: 124. Unavailable name; unpublished thesis.

*Mythicomymia candida* Tabet & Hall, 1987: 43. TYPE LOCALITY: USA (California) [H in CAS\*].

*Mythicomymia lunulata* Tabet, 2001: 60. TYPE LOCALITY: USA (Idaho) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Durango), USA (Arizona, California, Idaho, Montana, Oregon, Washington).

**painterorum**

*Mythicomymia painterorum* Hall & Evenhuis, 1986: 510. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Colima), USA (Arizona).

**parma**

*Mythicomymia parma* Melander, 1961: 236. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**peniculus**

*Mythicomymia peniculus* Melander, 1961: 237. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**perlonga**

*Mythicomymia perlonga* Hall & Evenhuis, 1986: 515. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**petena**

*Mythicomymia petena* Melander, 1961: 237. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**petiolata**

*Mythicomymia petiolata* Melander, 1961: 238. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**pharetra**

*Mythicomymia pharetra* Melander, 1961: 239. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**phormus**

*Mythicomymia phormus* Hall & Evenhuis, 1986: 522. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**picta**

*Mythicomymia picta* Melander, 1961: 240. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Idaho, Oregon, Utah).

**pictipes**

*Mythicomymia pictipes* Coquillett, 1902: 102. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

**platycheira**

*Mythicomymia platycheira* Melander, 1961: 241. TYPE LOCALITY: USA (Oregon) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Oregon).

**poliodes**

*Mythicomymia poliodes* Hall & Evenhuis, 1986: 529. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**polygena**

*Mythicomymia polygena* Melander, 1961: 242. TYPE LOCALITY: USA (Utah) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona, California, Idaho, Nevada, Utah).

**polysperes**

*Mythicomymia polysperes* Hall & Evenhuis, 1986: 532. TYPE LOCALITY: USA (Texas) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Texas, Washington).

**potrix**

*Mythicomymia potrix* Melander, 1961: 242. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Nevada, Oregon, Washington).

**powelli**

*Mythicomymia powelli* Hall & Evenhuis, 1986: 536. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**pravipes**

*Mythicomymia pravipes* Melander, 1961: 243. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Durango, Hidalgo, Sonora), USA (Arizona, California, Washington).

**pruinosa**

*Mythicomymia pruinosa* Melander, 1961: 244. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (California).

**pusilla**

*Mythicomymia pusilla* Melander, 1961: 245. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**rhaeba**

*Mythicomymia rhaeba* Melander, 1961: 246. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Idaho, Montana).

**rileyi**

*Mythicomymia rileyi* Coquillett, 1893: 209. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California Sonora), USA (Arizona, California, Idaho, Nevada, New Mexico, Utah, Washington).

**salpinx**

*Mythicomymia salpinx* Melander, 1961: 249. TYPE LOCALITY: USA (California) [H in CAS\*].

*Mythicomymia torta* Tabet & Hall, 1987: 49. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Texas, Utah).

**schlingeri**

*Mythicomymia schlingeri* Hall & Evenhuis, 1986: 550. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Nevada).

**sedonae**

*Mythicomymia sedonae* Evenhuis, 1989: 527. TYPE LOCALITY: USA (Arizona) [H in BPBM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**sorbens**

*Mythicomymia sorbens* Melander, 1961: 252. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**strenua**

*Mythicomymia strenua* Hall & Evenhuis, 1986: 553. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**tenthes**

*Mythicomymia tenthes* Melander, 1961: 253. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California, Sonora), USA (Arizona, California).

**tibialis**

*Mythicomymia tibialis* Coquillett, 1895: 409. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia triformis* Melander, 1961: 255. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia triformis* var. *chitona* Melander, 1961: 256. Unavailable name; varietal name published after 1960.

*Mythicomymia triformis* var. *monacha* Melander, 1961: 256. Unavailable name; varietal name published after 1960.

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (California, Idaho, Nevada, New Mexico).

**timberlakei**

*Mythicomymia timberlakei* Hall & Evenhuis, 1986: 559. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**tortilis**

*Mythicomymia tortilis* Hall & Evenhuis, 1986: 560. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**trifaria**

*Mythicomymia trifaria* Melander, 1961: 254. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Colorado, Nevada, Utah).

**tubicen**

*Mythicomymia tubicen* Melander, 1961: 257. TYPE LOCALITY: Mexico (Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (Arizona).

**uncata**

*Mythicomymia uncata* Melander, 1961: 258. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon, Washington).

**vallis**

*Mythicomymia vallis* Hall & Evenhuis, 1986: 567. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, ?Utah).

**versicolor**

*Mythicomymia versicolor* Hall & Evenhuis, 1986: 569. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Utah, Wyoming).

**vestis**

*Mythicomymia vestis* Melander, 1961: 259. TYPE LOCALITY: USA (California) [H in BYU\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**vilis**

*Mythicomymia vilis* Melander, 1961: 259. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**Unplaced to Subgenus of MYTHICOMYIA****actites**

*Mythicomymia collina* var. *actites* Melander, 1961: 196. Unavailable; varietal name published after 1960.

*Mythicomymia actites* Hall & Evenhuis, 1986: 573. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**africana**

*Mythicomymia africana* Evenhuis, 2020a: 6. TYPE LOCALITY: South Africa (Western Cape) [H in CAS\*].

DISTRIBUTION: **Afrotropical**: South Africa (Western Cape).

**asiatica**

*Mythicomymia asiatica* Evenhuis, 1981: 5. TYPE LOCALITY: China (Sichuan) [H in CAS\*].

DISTRIBUTION: **Palaearctic**: China (Sichuan).

**atrita**

*Mythicomymia atrita* Melander, 1961: 186. TYPE LOCALITY: USA (New Mexico) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (New Mexico).

**bucinator**

*Mythicomymia bucinator* Melander, 1961: 190. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**cala**

*Mythicomymia cala* Melander, 1961: 190. TYPE LOCALITY: USA (California) [N designated in Hall & Evenhuis (1986: 575) in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**comma**

*Mythicomymia comma* Melander, 1961: 196. TYPE LOCALITY: USA (New Mexico) [H in USNM\*].

DISTRIBUTION: **Nearctic**: Mexico (Sonora), USA (New Mexico).

**crocina**

*Mythicomymia crocina* Melander, 1961: 200. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**dominicana**<sup>†</sup>

*Mythicomymia dominicana* Evenhuis, 2002e: 8. TYPE LOCALITY: Dominican Republic [H in AMNH].

*Mythicomymia dominica*: Evenhuis, 2002e: 8; incorrect original spelling of *dominicana*

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

**flaviventris**

*Mythicomymia flaviventris* Melander, 1961: 205. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, ?Texas).

**huk**

*Mythicomymia huk* Sánchez & Evenhuis, 2024: 514. TYPE LOCALITY: Peru [H in CAS].

DISTRIBUTION: **Neotropical**: Peru.

**indicata**

*Mythicomymia indicata* Melander, 1961: 216. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (California).

**irwini**

*Mythicomymia irwini* Evenhuis, 2020a: 7. TYPE LOCALITY: India (Rajasthan) [H in ZSI\*].

DISTRIBUTION: **Oriental**: India (Rajasthan).

**iskay**

*Mythicomymia iskay* Sánchez & Evenhuis, 2024: 518. TYPE LOCALITY: Peru [H in CAS].

DISTRIBUTION: **Neotropical**: Peru.

**kinsa**

*Mythicomymia kinsa* Sánchez & Evenhuis, 2024: 523. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

**minuscula**

*Mythicomymia minuscula* Melander, 1961: 225. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**mira**

*Mythicomymia mira* Melander, 1961: 226. TYPE LOCALITY: USA (California) [H in BYU\*].

DISTRIBUTION: **Nearctic**: USA (California).

**mirifica**

*Mythicomymia mirifica* Melander, 1961: 226. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**petes**

*Mythicomymia petes* Melander, 1961: 238. TYPE LOCALITY: USA (Arizona) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona).

**phalerata**

*Mythicomymia phalerata* Melander, 1961: 239. TYPE LOCALITY: USA (Washington) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Washington).

**pisqa**

*Mythicomymia pisqa* Sánchez & Evenhuis, 2024: 530. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

**rigirostris**

*Mythicomymia rigirostris* Evenhuis, 1981: 6. TYPE LOCALITY: Bangladesh [H in CAS\*].

DISTRIBUTION: **Oriental**: Bangladesh.

**robiginosa**

*Mythicomymia robiginosa* Melander, 1961: 249. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**sugens**

*Mythicomymia sugens* Melander, 1961: 252. TYPE LOCALITY: USA (Oregon) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Oregon).

**tawa**

*Mythicomymia tawa* Sánchez & Evenhuis, 2024: 526. TYPE LOCALITY: Peru. [H in MUSM].

DISTRIBUTION: **Neotropical**: Peru.

**virgata**

*Mythicomymia virgata* Melander, 1961: 260. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**virgo**

*Mythicomymia virgo* Melander, 1961: 260. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, Utah).

**Genus NEXUS Hall & Evenhuis**

**NEXUS** Hall & Evenhuis, 1987: 623. Type species: *Nexus cyrtoidopsis* Hall & Evenhuis, 1986, by original designation.

**cyrtoidopsis**

*Nexus cyrtoidopsis* Hall & Evenhuis, 1987: 624. TYPE LOCALITY: USA (Arizona) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, Nevada).

**Genus PARACONSORS Hall & Evenhuis**

**PARACONSORS** Hall & Evenhuis, 1987: 606. Type species: *Mythicomymia aperta* Melander, 1961, by original designation.

**Subgenus ELACHYMYIA Hall & Evenhuis**

**ELACHYMYIA** Hall & Evenhuis, 1987: 616. Type species: *Empidideicus humeralis* Melander, 1946, by original designation.

**humeralis**

*Empidideicus humeralis* Melander, 1946: 455. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia hiata* Melander, 1961: 212. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**Subgenus PARACONSORS Hall & Evenhuis****aperta**

*Mythicomymia aperta* Melander, 1961: 183. TYPE LOCALITY: Mexico ( Baja California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: Mexico (Baja California), USA (California).

**cooperi**

*Paraconsors cooperi* Hall & Evenhuis, 1987: 610. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**flavifrons**

*Empidideicus flavifrons* Melander, 1950a: 141. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 611) in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**napaea**

*Mythicomymia napaea* Melander, 1961: 165, 230 . TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California).

**scutellaris**

*Empidideicus scutellaris* Melander, 1946: 455, 456. TYPE LOCALITY: USA (California) [L designated by Hall & Evenhuis (1987: 613) in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California).

**timberlakei**

*Empidideicus timberlakei* Hall, 1967: 216. TYPE LOCALITY: USA (Texas) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Texas).

**Genus PIEZA Evenhuis**

**PIEZA** Evenhuis, 2002b: 3. Type species: *Mythicomymia angusta* Melander, 1961, by original designation.

**agnastis**

*Mythicomymia agnastis* Hall, 1976: 77. Chile [H in MEUC\*].

DISTRIBUTION: **Neotropical**: Chile.

**angusta**

*Mythicomymia angusta* Melander, 1961: 180. TYPE LOCALITY: USA (California) [H in USNM\*].

*Mythicomymia vernalis* Frommer, 1981: 37. *Nomen nudum*.

*Mythicomymia vernalis* Tabet & Hall, 1987: 50. TYPE LOCALITY: USA (California) [H in CAS\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

**ankh**

*Pieza ankh* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 3. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí, Maranhão).

**aurislepus**

*Pieza aurislepus* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 5. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

**bittencourti**

*Pieza bittencourti* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 8. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí).

**deresistans**

*Pieza deresistans* Evenhuis, 2002b: 9. TYPE LOCALITY: Venezuela [H in USNM\*].

DISTRIBUTION: **Neotropical**: Venezuela.

**dominicana†**

*Pieza dominicana* Evenhuis, 2002e: 10. TYPE LOCALITY: Dominican Republic (Miocene) [H in AMNH\*].

DISTRIBUTION: **Neotropical**: Dominican Republic (Miocene) [A].

**flavitibia**

*Pieza flavitibia* Evenhuis, 2002b: 12. TYPE LOCALITY: Venezuela [H in USNM\*].

DISTRIBUTION: **Neotropical**: Venezuela.

**globosa**

*Pieza globosa* Ramos-Pastrana, Córdoba-Suarez & Evenhuis, 2023b: 365. TYPE LOCALITY: Colombia [H in LEUA].

DISTRIBUTION: **Neotropical**: Colombia.

**kake**

*Pieza kake* Evenhuis, 2002b: 13. TYPE LOCALITY: Brazil (Belo Horizonte) [H (destroyed in 2018 fire) in MNRJ\*].

DISTRIBUTION: **Neotropical**: Brazil (Belo Horizonte).



**ministra**

*Mythicomymia ministra* Melander, 1961: 224. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, New Mexico).

**minuta**

*Mythicomymia minuta* Greene, 1924: 62. TYPE LOCALITY: USA (New Mexico) [H in USNM\*].

*Mythicomymia eremica* Melander, 1961: 204. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (California, New Mexico).

**ostenta**

*Mythicomymia ostenta* Melander, 1961: 236. TYPE LOCALITY: USA (California) [H in USNM\*].

DISTRIBUTION: **Nearctic**: USA (Arizona, California, Texas).

**parakake**

*Piezia parakake* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 10. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí, Maranhão).

**parnasecon**

*Piezia parnasecon* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 13. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

**pi**

*Piezia pi* Evenhuis, 2002b: 19. TYPE LOCALITY: Bahamas Is [H in AMNH\*].

DISTRIBUTION: **Nearctic**: Mexico (Morelos). **Neotropical**: Bahamas Is.

**rafaeli**

*Piezia rafaeli* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 15. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão, Piauí), Colombia.

**rhea**

*Piezia rhea* Evenhuis, 2002b: 21. TYPE LOCALITY: USA (Florida) [H in ABS\*].

DISTRIBUTION: **Nearctic**: USA (Florida).

**silvanae**

*Piezia silvanae* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 18. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

**sinclairi**

*Piezia sinclairi* Evenhuis, 2002b: 22. TYPE LOCALITY: Galápagos Is [H in CNC\*].

DISTRIBUTION: **Neotropical**: Curaçao, Dominican Republic, Galápagos Is.

**yeatesi**

*Piezia yeatesi* Mendes, Lamas, Evenhuis & Limeira-de-Oliveira, 2019: 20. TYPE LOCALITY: Brazil (Maranhão) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Maranhão).

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**Genus REISSA Evenhuis & Báez**

**REISSA** Evenhuis & Báez *in* Greathead & Evenhuis, 2001b: 127. Type species: *Reissa roni* Evenhuis & Báez, 2001, by original designation.

**kohlsi†**

*Reissa kohlsi* Evenhuis, 2019c: 224. TYPE LOCALITY: Colorado (Green River Formation) [H in UCM\*].

DISTRIBUTION: **Nearctic**: USA (Colorado) (Eocene) [C].

**roni**

*Reissa roni* Evenhuis & Báez *in* Greathead & Evenhuis, 2001b: 128. TYPE LOCALITY: Canary Is [H in MABC\*].

DISTRIBUTION: **Palaeartic**: Canary Is.

**Genus RIGA Evenhuis**

**RIGA** Evenhuis, 2013: 378. Type species: *Riga toni* Evenhuis, 2013, by original designation.

**toni†**

*Riga toni* Evenhuis, 2013: 378. TYPE LOCALITY: Ukraine (Rovno amber) [H in SIZK\*].

DISTRIBUTION: **Palaeartic**: Ukraine (Eocene) [A].

**Genus TAMANDUAMYIA Rafael & Limeira-de-Oliveira**

**TAMANDUAMYIA** Rafael & Limeira-de-Oliveira, 2014: 594. Type species: *Tamanduamyia bandeira* Rafael & Limeira-de-Oliveira, 2014, by original designation

**bandeira**

*Tamanduamyia bandeira* Rafael & Limeira-de-Oliveira, 2014: 595. TYPE LOCALITY: Brazil (Piauí) [H in CZMA].

DISTRIBUTION: **Neotropical**: Brazil (Piauí).

**bichuettae**

*Tamanduamyia bichuettae* Lamas, Mendes, Falaschi & Evenhuis, 2023: 3. TYPE LOCALITY: Brazil (Bahia) [H in MZUSP].

DISTRIBUTION: **Neotropical**: Brazil (Bahia).

## Unplaced to Subfamily

### Genus HESYCHASTES Evenhuis

**HESYCHASTES** Evenhuis, 2002a: 137. Type species: *Hesychastes solitus* Evenhuis, 2002, by original designation.

#### **solitus**

*Hesychastes solitus* Evenhuis, 2002a:138. TYPE LOCALITY: Namibia [H in NMNW].

DISTRIBUTION: **Afrotropical**: Namibia.

### Genus MICROBURMYIA Grimaldi & Cumming†

**MICROBURMYIA** Grimaldi & Cumming, 2011: 312. Type species: *Microburmyia analvena* Grimaldi & Cumming, 2011 by original designation.

#### **analvena**†

*Microburmyia analvena* Grimaldi & Cumming, 2011: 313. TYPE LOCALITY: Myanmar [H in KU].

DISTRIBUTION: **Oriental**: Myanmar [A] [Cretaceous].

#### **veanalvena**†

*Microburmyia veanalvena* Grimaldi & Cumming, 2011: 315. TYPE LOCALITY: Myanmar [H in AMNH].

DISTRIBUTION: **Oriental**: Myanmar [A] [Cretaceous].



## LITERATURE CITED

The following bibliography gives full references to more than 200 works cited in the catalog. A concerted effort was made to examine as many of the cited references as possible in order to ensure accurate citation of authorship, date of publication, title, and pagination. References are cited chronologically for multiple articles with the same authorship. In cases where more than one article was published by an author(s) in a particular year, a suffix letter supersedes the year (letters listed alphabetically according to publication chronology).

**Authors' names:** Surnames of authors are cited in the bibliography the same as they are in the text for proper association of literature citations with entries in the catalog. See under Explanatory Information in the Introduction for protocol in orthography of names of authors. Full given names and dates of birth and/or death are given where known.

**Dates of publication:** A concerted effort for obtaining dates of publication for taxonomic Diptera works was begun in Evenhuis *et al.* (1989) and has continued in similar catalogs (e.g., Evenhuis, 1991, 1994, 1997, 2002d; Evenhuis & Greathead, 1999, etc.). Dates of the works cited in this catalog were obtained through various methods in order to obtain as accurate a date of publication as possible for purposes of priority in nomenclature. Dates found in the original work or by outside evidence are placed in parentheses after the literature citation. Those found in the original work itself are not annotated or marked. Those dates marked with a single asterisk (\*) are dated from library receipts at the Natural History Museum, London. Dating from other outside evidence (reviews in other journals, evidence through published research, dates of receipt at other libraries, etc.) are given with annotations in square brackets after the publication date. Where no accurate date of publication could be obtained other than the year, the date "31 December+" is given to distinguish it from published dates of 31 December. Dates with month only should be construed as being issued on the last day of that month until further evidence is found to restrict the actual date of publication further within the month. Where the actual year of publication, found through outside evidence, is different than a printed year within the work itself, an annotation explaining such evidence is given in square brackets after the date of publication.

**Titles:** Titles of articles in journals and books are given in full including secondary titles. Titles are given as on the title page of the original work (in some cases, titles on wrappers, covers, and tables of contents may vary somewhat). Titles are standardized to lowercase except for proper nouns and in cases where languages require capitalization. Where possible, titles in Eastern European languages and Cyrillic have either been translated into English and placed in brackets or transliterated, with original language indicated in the annotation for that citation.

**Journals:** Journals are spelled out in full. Additional information, such as series number or name, is given in parentheses but not italicized. Volume numbers are given in Arabic numbers in boldface, irrespective of whether or not Roman numerals were used in the work cited. Issue or part numbers are included in parentheses after the volume number only if each issue is separately paginated. In cases where there is no volume number, but the volume pertains to a particular year, that year is used as the volume number (even though the actual date of publication may differ) and placed in boldface type. Citation of plate and/or figure numbers is omitted in the citation except in cases when necessary for nomenclatural reasons within the catalog or for bibliographic retrieval. Pagination is given for the entire article except in those cases where the article has been published at different times due to separate issues. Books: Single-volume books are cited with title (italicized), publisher (if known), place(s) of publication, and pagination (Roman and Arabic as appropriate). Multi-volume

works are listed separately by volume with full reference as for single-volume books. Continuously paginated multi-volume works are listed singly for as many parts (or volumes) as were published in a single year (only if separate issue dates are not known). Unpaginated portions of a book are placed in square brackets.

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